



# Märklin

1973 DI

Schutzgebühr DM 1.50

<b>mini-club</b> Train sets, locomotives, cars, tracks, accessories	<b>1- 9</b>	<b>Catenary system, HO gauge</b> For K+M tracks	<b>59-60</b>	<p>It is not possible for deliveries to be made direct from the factory to private individuals · We reserve the right to introduce modifications without prior notice. Orders will be executed subject to availability. The dimensions quoted are not guaranteed. This catalogue cancels all earlier issues.</p> <p><b>Gebr. Märklin &amp; Cie. GmbH.</b> <b>732 Göppingen/Württ., Germany</b></p> <p>All rights reserved · Reproduction in whole or part forbidden · Printed in Western Germany · Druckerei Ernst Klett, Stuttgart · 150 10 - RN 0773 KI</p>
<b>Train sets, HO gauge</b>	<b>12-17</b>	<b>Transformers, HO gauge</b>	<b>67</b>	
<b>Locomotives, HO gauge</b> Steam locomotives Electric locomotives Diesel locomotives Rail buses/Rail motor trains HAMO D. C. locomotives Rubber tires, current pick-up shoes, electric bulbs	<b>18-35</b> 18-22 24-28 30-33 34-35 19-31 64	<b>Accessories, HO gauge</b> For K+M tracks Additional locomotive accessories Whistle Lighting systems	<b>61-66</b> 61-63 64 65 65-66	
<b>Cars, HO gauge</b> Passenger cars Freight cars	<b>36-47</b> 36-42 43-47	<b>Publications, HO gauge</b> Instruction manuals Track plans Signal manuals Märklin Magazine	<b>68-69</b> 68 68 68 69	
<b>Construction sets, HO gauge</b> Cars Interior fittings	<b>38/48</b> 48 38	<b>I gauge</b> Trains, locomotives, cars, track, accessories	<b>70-71</b>	
<b>Tracks, HO gauge</b> M-tracks K-tracks	<b>49-57</b> 49-53 55-57	<b>Racing car track, Märklin-Sprint</b>	<b>72-77</b>	
<b>Signals, HO gauge</b> For M-tracks For K+M tracks Universal remote control switches	<b>54/58</b> 54 58 54, 58	<b>Miniature cars "rak"</b>	<b>78</b>	
		<b>Metal construction sets</b> <b>Electric motors</b>	<b>79-81</b>	
		<b>Construction sets</b> <b>Märklin plus</b>	<b>82-88</b>	

Your local Märklin dealer :

**Märklin**  
*mini-club*

The smallest electric railroad in  
the world Scale 1:220

**Märklin mini-club  
the big leisure time hit**

Nothing like it has ever existed before. Never before has reality been presented in such fascinatingly small size and exciting detail. The track width of the smallest model railroad in the world is all of 6.5 mm ( $17/64''$ ), its tank locomotive is hardly longer than a match. Mini-club will conjure up a wonder world on your table, all in full view, which you can reach from your armchair. No basement is required, no suite of rooms and you do not have to be a do-it-yourself fan either. The mini-club is a true leisure time hit and makes an exciting hobby into a portable leisure time game.

**The maximum of pleasure in the  
minimum of space**

Märklin mini-club, the smallest in the world, sets new, amazing standards. A model railway "in your hand luggage" is no longer a dream. Even a tea tray will do to serve up the magic of its remote-controlled models. Amazing possibilities are opened up. Your hobby kit can now quickly be put away under the table, or brought out from the cupboard, or hung on the wall like a picture. You can have ten minutes relaxation at any time just as easily as hours of pleasure in the evening, indoors or on the porch or terrace, or in the home of friends. The handy portable model railway has become a fact.

This is the most charming aspect of the smallest railway in the world. All the fuss and bother is reduced to a minimum. Mini-club is a game for lasting use, an absolute delight. Simply bring it out, connect it to the power supply and make complete escape the mini-club order of the day.

**Mini-club locomotives must be operated  
only with a Märklin power pack  
6711, 6720, 6727 or 6731.**

**Note**

A reliable and stylish catenary system will be available shortly.



## All you want to know at a glance

Märklin mini-club bears the gauge designation Z (6,5 mm = 1/4") Märklin mini-club is DC-operated. Everything carrying the name mini-club is of the renowned Märklin quality and is as hard-wearing, reliable and efficient as any other model railroad made by Märklin.

Mini-club locomotives must be operated only with a Märklin power pack 6711, 6720, 6727 or 6731.

The locomotives are fitted with suppressors, which, in conjunction with the anti-interference elements incorporated in the Märklin power packs 6711, 6720, 6727 or 6731 and the feeder track section 8590, ensure that the Regulations are complied with.

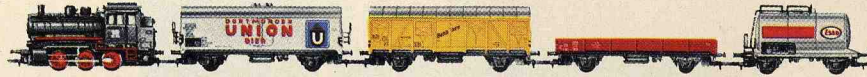
If radio interference should arise during operation, e.g. because the layout is too close to an antenna, or has not been assembled as specified in the instructions, then the interference should be eliminated immediately by moving the layout to some other place or modifying it.

The illustrations of the various locomotives and cars are the same size as the models themselves.

### 8900

**Freight train** (without power pack) · Comprising tank locomotive 8800, beer car 8601, box car 8606, low-sided gondola 8610, tank car 8612, 5 straight track sections 8500, 8 curved track sections 8510, feeder track section 8590 and

ramp 8974 · Train 10" long · Interference suppression to comply with regulations



### 8901

**Express train** (without power pack) · Comprising diesel locomotive 8875, ex-

press coach 8720, express coach 8721, express diner car 8723, 5 straight track sections 8500, 8 curved track sections 8520, feeder track section 8590 and

ramp 8974 · Train 17 1/2" long · Interference suppression to comply with regulations



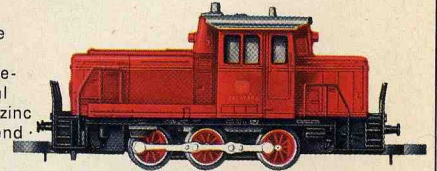
### 8800

**Tank locomotive** · A model of the 0-6-0 class 89 locomotive · 3 driven axles · Reversing by remote control · Mat black metal body · Die-cast zinc frame · Automatic coupling at each end · 17/8" long over buffers



### 8864

**Diesel locomotive** · A model of the German Federal Railways' class 260 0-6-0 locomotive · 3 driven axles · Reversing by remote control · Red metal body · Silver-colored roof · Die-cast zinc frame · Automatic coupling at each end · 2" long over buffers



### 8875

**Diesel locomotive** · A model of the German Federal Railways' class 216 4-4 locomotive · All axles driven · Reversing by remote control · Three working headlights at each end, changing over with change in direction · Red and grey plastic body · Die-cast zinc frame ·

Automatic coupling at each end · 3" long over buffers

Ⓛ = 8953

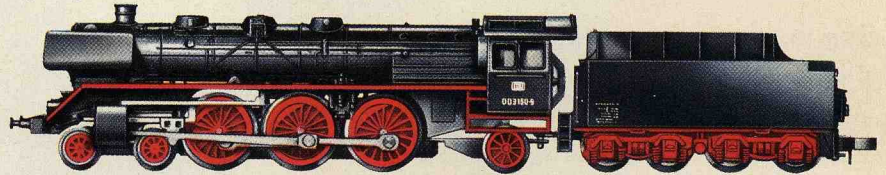


### 8885

**Express locomotive with tender** · A model of the Federal German Railways' class 003 4-6-2 locomotive · 3 driven axles · Reversing by remote control · Three working headlights · Mat black metal body · Die-cast zinc frame · Auto-

matic coupling on tender · 4 3/8" long over buffers

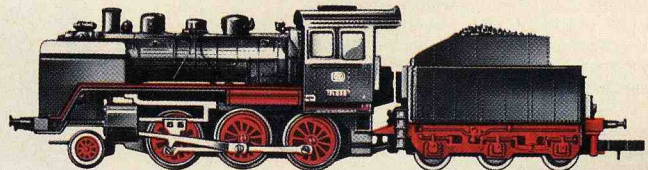
Ⓛ = 8953



### 8803 NEW

**Passenger train locomotive with tender** · A model of the German Federal Railways class 24 2-6-0 locomotive · 3 driven axles · Reversing by remote control · Arranged for lighting insert 8953 for three headlights · Mat black body · Die-

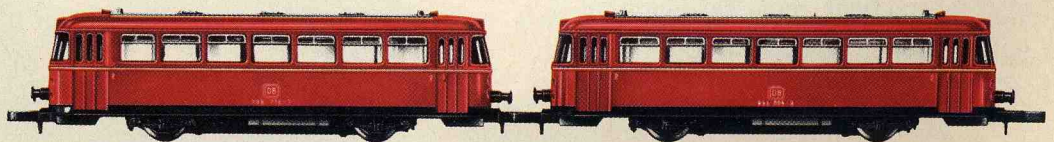
cast zinc frame · Automatic coupling on tender · 3 1/4" long over buffers



### 8816 NEW

**Railbus** · A model of the German Federal Railways' type 798 · Both axles driven · Reversing by remote control · Three working headlights at each end · Red plastic body · Die-cast zinc frame · 2 1/2" long over buffers

Ⓛ = 8953



### 8817 NEW

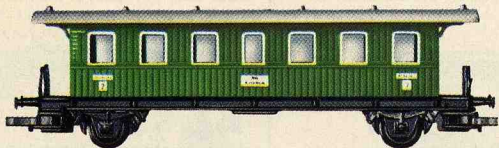
### 8817 NEW

**Railbus trailer** · A model of the German Federal Railways' type 998 · Arranged for lighting insert 8953 for three headlights · Red plastic body · Plastic frame · 2 1/2" long over buffers

## Passenger cars Express cars

### 8700

Passenger car · Plat-  
form and entrance at  
each end · Windows  
with cellopanes ·  
2<sup>3</sup>/<sub>8</sub>" long



### 8701

Passenger car · Plat-  
form and entrance at  
each end · Windows  
with cellopanes ·  
2<sup>3</sup>/<sub>8</sub>" long



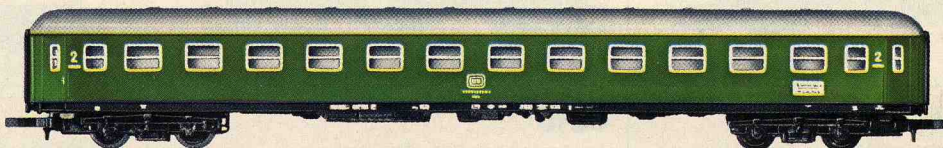
### 8710

Express car · 1st class · A model of the  
German Federal Railways' car (A üm) ·  
Windows inset in plastic frames ·  
4<sup>7</sup>/<sub>8</sub>" long



### 8711

Express car · 2nd class · A model of the  
German Federal Railways' car (B üm) ·  
Windows inset in plastic frames ·  
4<sup>7</sup>/<sub>8</sub>" long



### 8712

Express baggage car · A model of the  
German Federal Railways' car (D üm) ·  
Windows inset in plastic frames ·  
4<sup>7</sup>/<sub>8</sub>" long



### 8713

Express diner car · A model of the  
German Federal Railways' car (WR üm) ·  
Windows inset in plastic frames ·  
4<sup>7</sup>/<sub>8</sub>" long



### 8720

Express car · 1st class · A model of the  
German Federal Railways' car (A üm) ·  
Windows inset in plastic frames ·  
4<sup>7</sup>/<sub>8</sub>" long



### 8721

Express car · 2nd class · A model of the  
German Federal Railways' car (B üm) ·  
Windows inset in plastic frames ·  
4<sup>7</sup>/<sub>8</sub>" long



### 8722

Express baggage car · A model of the  
German Federal Railways' car (D üm) ·  
Windows inset in plastic frames ·  
4<sup>7</sup>/<sub>8</sub>" long



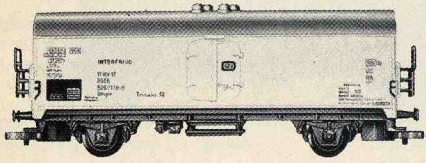
### 8723

Express diner car · A model of the  
German Federal Railways' car (WR üm) ·  
Windows inset in plastic frames ·  
4<sup>7</sup>/<sub>8</sub>" long



**8600**

Refrigerator car · A model of a German Federal Railways' car (Ichqrs) · 2<sup>3</sup>/<sub>8</sub>" long



**8601**

Beer car · A model of a car owned by the Dortmunder Union-Brauerei · 2<sup>3</sup>/<sub>8</sub>" long



**8602**

Beer car · A model of a car owned by "Spatenbräu", Munich · 2<sup>3</sup>/<sub>8</sub>" long



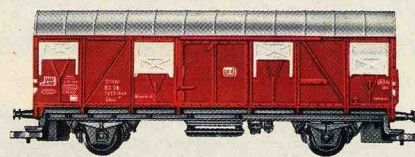
**8603 NEW**

Beer car · A model of a car owned by the Kulmbacher Mönchshof-Brauerei · 2<sup>3</sup>/<sub>8</sub>" long



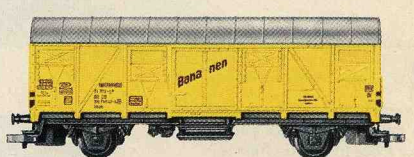
**8605**

Box car · A model of a German Federal Railways' car (Gbrs) · 2<sup>3</sup>/<sub>8</sub>" long



**8606**

Box car · A model of a German Federal Railways' car (Ibbls) · 2<sup>3</sup>/<sub>8</sub>" long



**8609 NEW**

Freight train baggage car (German Federal Railways' type Dg) · Doors which open on each side · 1<sup>5</sup>/<sub>8</sub>" long



**8610**

Low-sided gondola · 2<sup>3</sup>/<sub>8</sub>" long



**8611**

Tank car · SHELL · 1<sup>5</sup>/<sub>8</sub>" long



**8612**

Tank car · ESSO · 1<sup>5</sup>/<sub>8</sub>" long



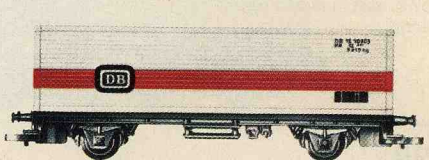
**8613**

Tank car · ARAL · 1<sup>5</sup>/<sub>8</sub>" long



**8615**

Container car · DB · 2<sup>3</sup>/<sub>8</sub>" long



**8620 NEW**

Depressed center flat car · Loaded with transformer · 6" long



**8616**

Container car · Sealand · 2<sup>3</sup>/<sub>8</sub>" long



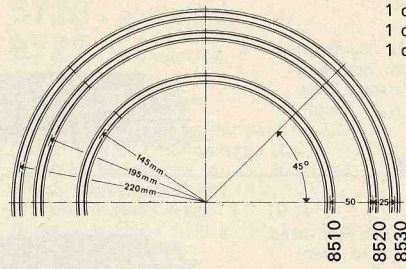
Märklin mini-club can be recognized by the club package with the characteristic teak-wood pattern.



With a gauge of 6.5 mm ( $1\frac{1}{16}$ " ), the overall width of the track sections for the Märklin mini-club is about 11.5 mm ( $1\frac{1}{16}$ " ). The overall height is 2.5 mm ( $1\frac{1}{16}$ " ). The solid, corrosion-resistant rails are mounted on a plastic tie strip. The rails are connected together by means of rail joiners, such as are also used on

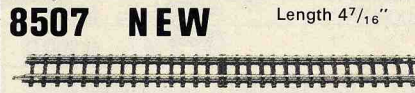
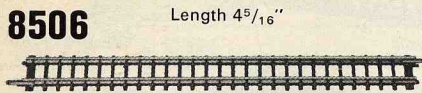
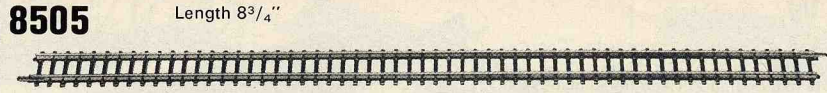
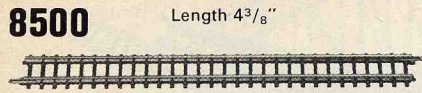
the larger models. An additional clip on the tie strip increases the strength of the track section joints.

This drawing shows the three Märklin mini-club track circles with the radii, track spacing and angles.

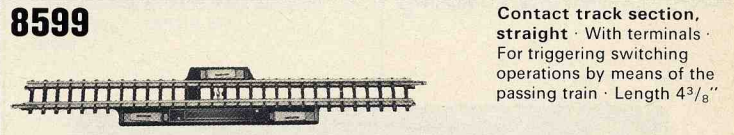
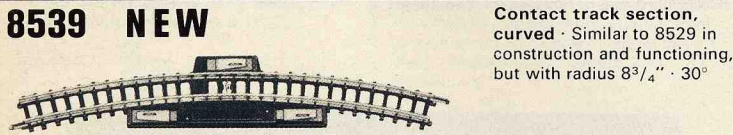
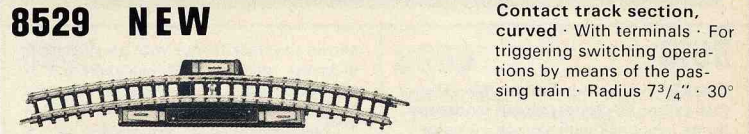
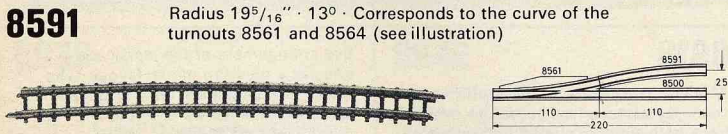
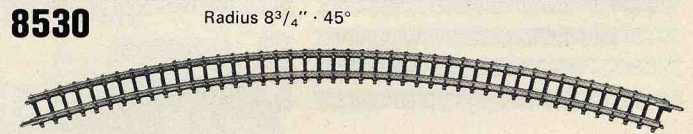
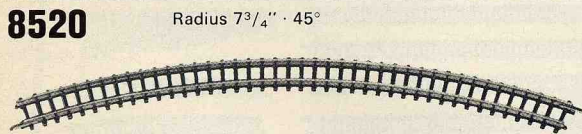
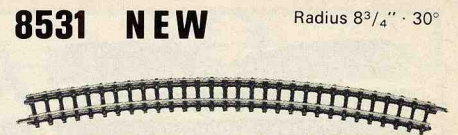
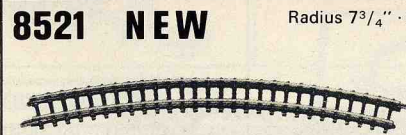
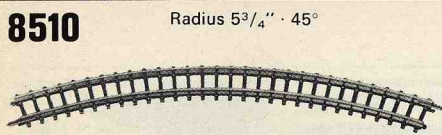


1 circle 8510 = 8 track sections  
1 circle 8520 = 8 track sections  
1 circle 8530 = 8 track sections

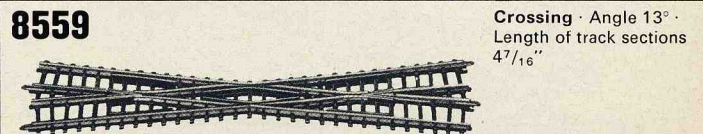
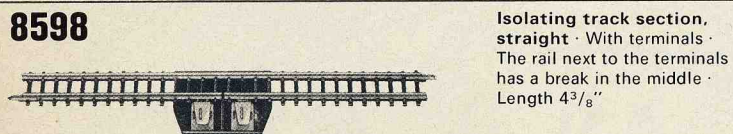
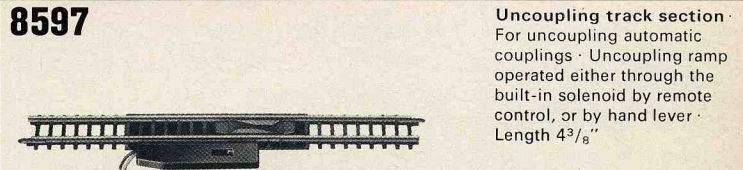
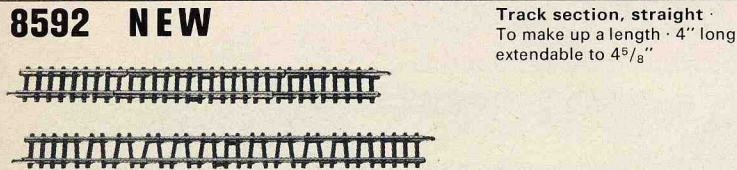
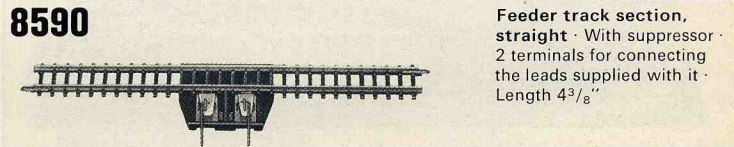
## Straight track sections



## Curved track sections

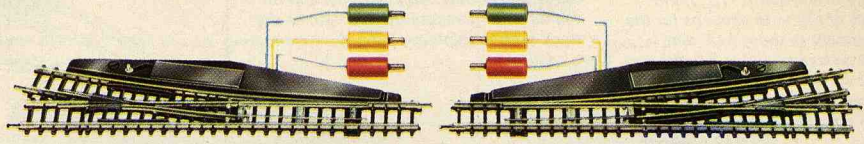


The contact track sections 8529, 8539 and 8599 enable solenoid-operated items to be controlled automatically by the passing train. They are actuated by the locomotive and can trigger various switching operations in either direction independently of the other. The control pulses are picked up from two terminals electrically isolated from one another.



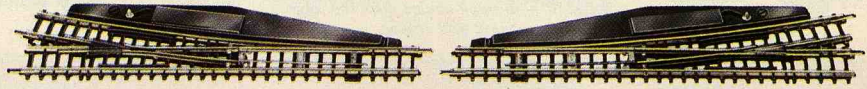
## 8561

Pair of solenoid-controlled turnouts · Comprising one right-hand and one left-hand turnout, both with double-solenoid operation · Additional manual lever · Angle 13° · Radius of turnout track 19<sup>5</sup>/<sub>16</sub>" · Length of straight track 4<sup>3</sup>/<sub>8</sub>"



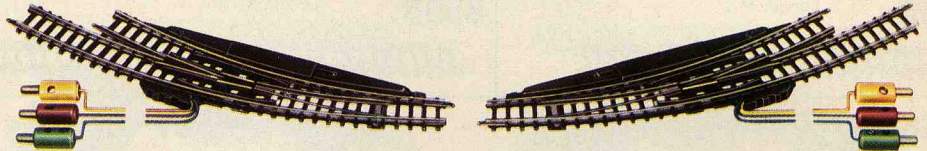
## 8564

Pair of manual turnouts · Comprising one right-hand and one left-hand turnout · Operated by hand lever · Angle 13° · Radius of turnout track 19<sup>5</sup>/<sub>16</sub>" · Length of straight track 4<sup>3</sup>/<sub>8</sub>"



## 8567 NEW

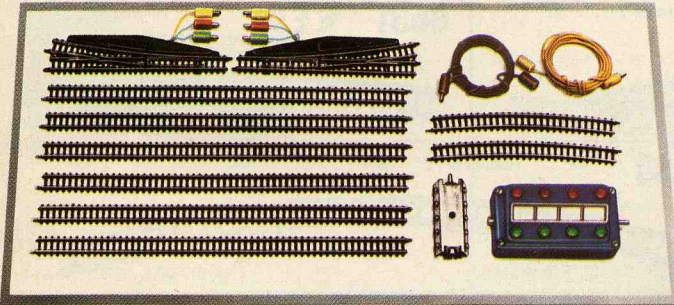
Pair of solenoid-controlled curved turnouts · Comprising one right-hand and one left-hand inside turnout, both with double-solenoid operation · Additional manual lever · Length and radius of the turnout track as for track section 8521 · Length of the outside track section 5"



## 8490 NEW

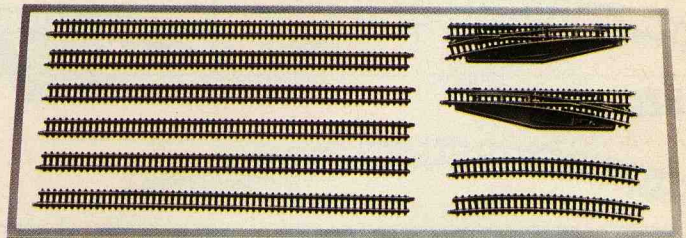
Track extension kit · Contains 1 pair of solenoid operated turnouts 8561, 6 straight track sections 8505, 2 curved

track sections 8591, 1 control panel 7072, 1 distributor panel 7209, 1 brown and 1 yellow lead and instructions for installing the turnouts and extending the layout



## 8491 NEW

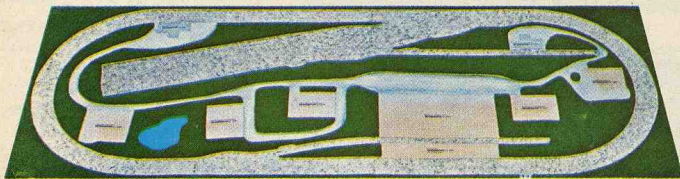
Track extension kit · Contains 1 pair of manual turnouts 8564, 6 straight track sections 8505, 2 curved track sections 8591 and instructions for extending the layout



## 8910

Märklin mini-club Toporama · The true-to-nature model railroad landscape for an oval track with sidings · 4-color printing on synthetic paper · The printing

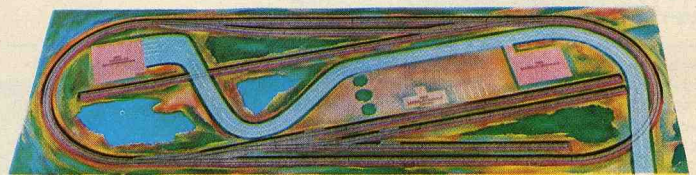
shows the track layout with precise subdivisions, roads, paths, lakes and plan views of houses · Tufted grass-covered areas provide a sculptural effect · Size 1'7" x 4'1"



## 8919

Märklin mini-club track layout pattern · Landscape laid out for an oval track with sidings, printed in 4 colors on strong hard-wearing material · The attrac-

tive arrangement of the landscape ensures a pleasing model layout · The tracks are printed on, with roads, paths, lakes and plan views of houses · Size 1'1<sup>3</sup>/<sub>4</sub>" x 3'3<sup>1</sup>/<sub>2</sub>"



## A few examples of track layouts

Further suggestions are given in the Märklin mini-club Guide.

Fig. 1

1'6" x 1'1<sup>1</sup>/<sub>2</sub>"

- 1 — 8500
- 8 — 8510
- 1 — 8590

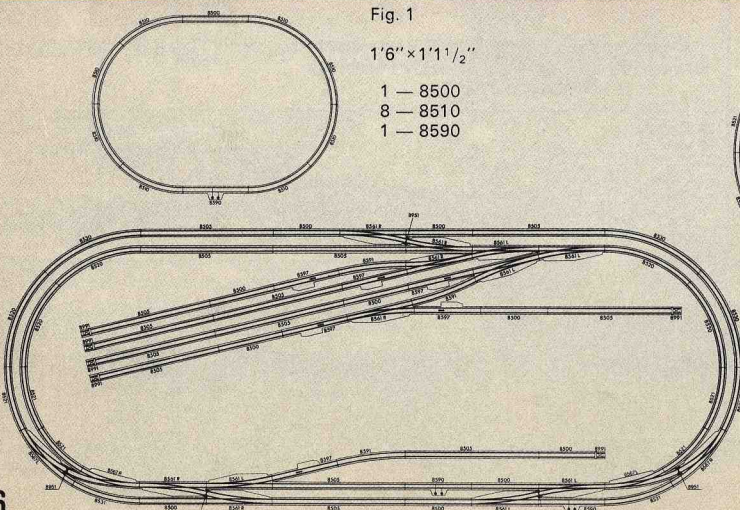


Fig. 2

3'5" x 1'7<sup>1</sup>/<sub>2</sub>"

- 2 — 8500
- 8 — 8505
- 4 — 8520
- 6 — 8521
- 4 — 8530
- 2 — 8531
- 2 — 8567
- 2 — 8590
- 1 — 8951

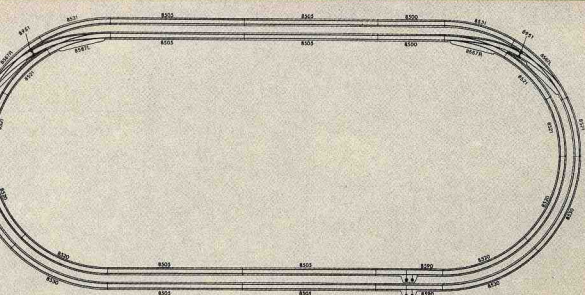


Fig. 3

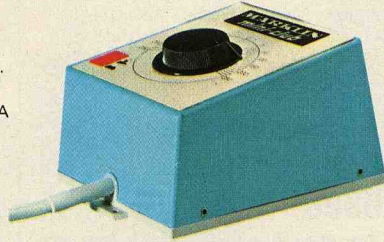
4'2" x 1'7<sup>1</sup>/<sub>2</sub>"

- 10 — 8500
- 14 — 8505
- 4 — 8520
- 6 — 8521
- 4 — 8530
- 2 — 8531
- 6 — 8561
- 2 — 8567
- 2 — 8590
- 3 — 8591
- 6 — 8597
- 1 — 8951
- 6 — 8991



## 6711 = 220 volt

Märklin mini-club power pack for 220 volt AC · One-knob control for adjusting the track voltage (DC) between 0 and 8 V and reversing switch · Output in the track circuit up to 8 VA, in the lighting circuit (AC) about 12 VA at 10 V · Blue plastic case · Weight 3 lb 10 oz · Dimensions 6<sup>1</sup>/<sub>8</sub>" × 4<sup>5</sup>/<sub>16</sub>" × 3<sup>1</sup>/<sub>2</sub>"



## 6720 = 100 volt Japan

## 6727 = 115 volt USA

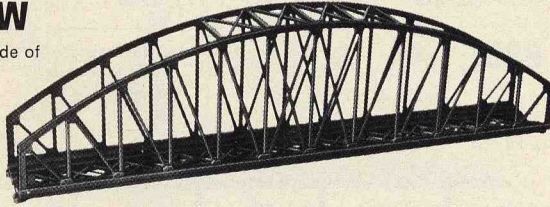
## 6731 = 220 volt

Märklin mini-club power pack for AC · Output 12 VA · Track voltage (DC) adjustable between 2V and 8V · Reversing switch · Lighting voltage (AC) 10 V · Blue plastic case · Weight 2 lb 10 oz · Dimensions 4<sup>15</sup>/<sub>16</sub>" × 5<sup>5</sup>/<sub>16</sub>" × 3"



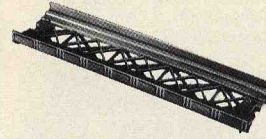
## 8975 NEW

Arched bridge · Made of plastic · Grey · Length 8<sup>5</sup>/<sub>8</sub>"



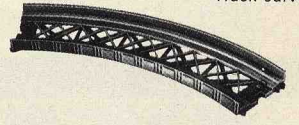
## 8976 NEW

Ramp section, straight · Length 4<sup>3</sup>/<sub>8</sub>"



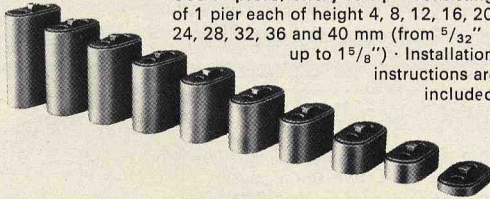
## 8977 NEW

Ramp section, curved · Radius 5<sup>3</sup>/<sub>4</sub>" · Track curve 45°



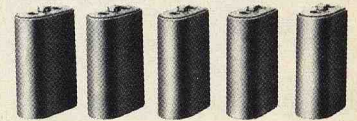
## 8978 NEW

Set of piers, entry ramp · Consisting of 1 pier each of height 4, 8, 12, 16, 20, 24, 28, 32, 36 and 40 mm (from 5<sup>1</sup>/<sub>32</sub>" up to 1<sup>5</sup>/<sub>8</sub>") · Installation instructions are included



## 8979 NEW

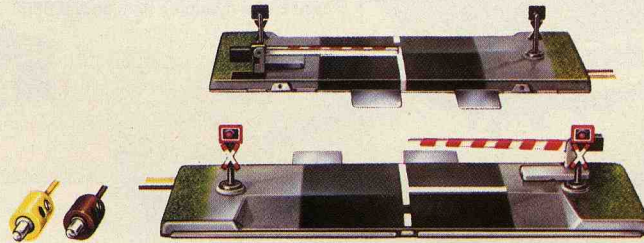
Set of piers, bridge · Consisting of 5 piers each 1<sup>5</sup>/<sub>8</sub>" high



## 8992 NEW

Grade crossing with half barriers · Comprising two solenoid-operated barriers each with 2 red warning lights which light up when the barrier is closed · Size of each base 3<sup>3</sup>/<sub>4</sub>" × 1<sup>1</sup>/<sub>2</sub>"

⚡ = 8953



## 8939

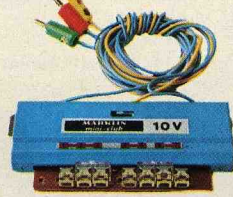
Illuminated home signal · Light changes from red (stop) to green (proceed) · 2 bulbs · Operated by universal remote controller 8945 or by the manual signal switch 8946 · Height 1<sup>5</sup>/<sub>8</sub>"

⚡ = 8953



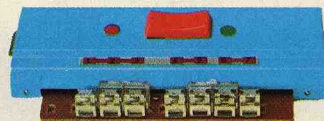
## 8945

Universal remote controller with 2 single-pole switches and a change-over switch for different circuits · Operating voltage 10 V · Double-solenoid operation · Actuated by contact track section, from control panel 7072 or by manual switch lever · Width 1<sup>3</sup>/<sub>16</sub>" · Length 2<sup>3</sup>/<sub>4</sub>" · Height 5<sup>1</sup>/<sub>16</sub>"



## 8946

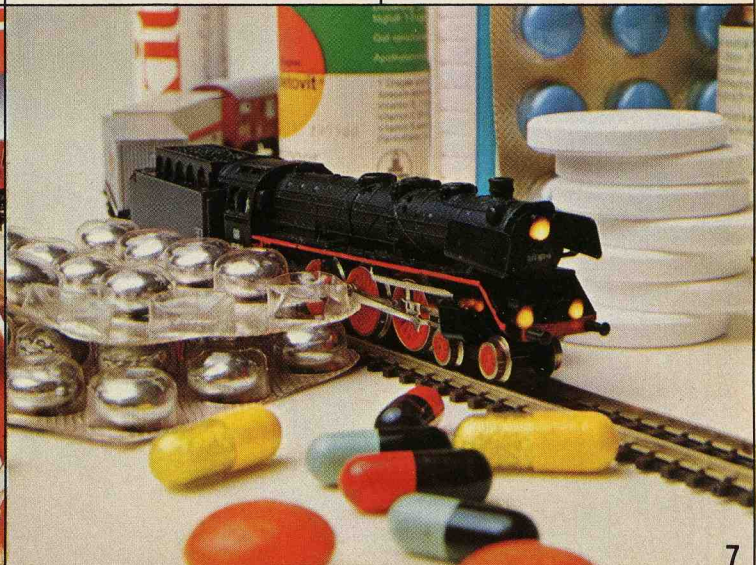
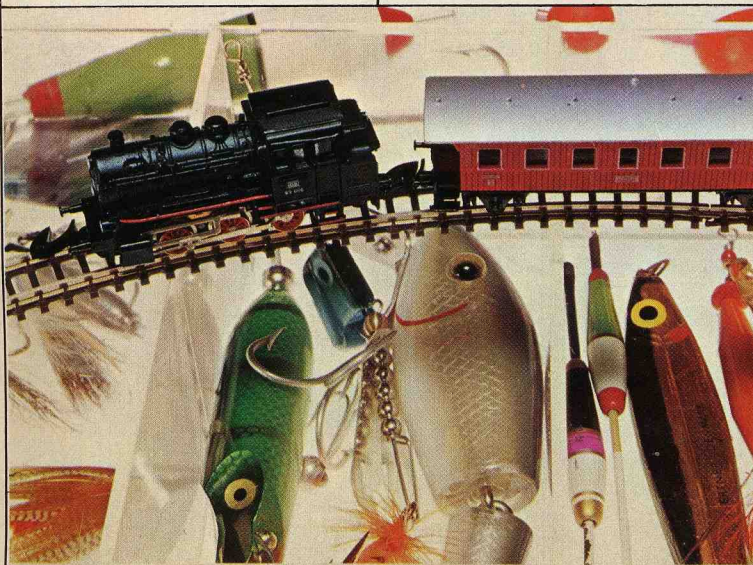
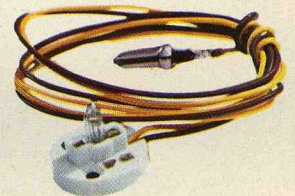
Manual signal controller with 2 single-pole switches and a change-over switch, for controlling, e. g., the light changes in signal 8939 and the track current · Width 1<sup>3</sup>/<sub>16</sub>" · Length 2<sup>3</sup>/<sub>4</sub>" · Height 5<sup>1</sup>/<sub>16</sub>"



## 8950

Light socket with light insert and lead · For stations, buildings and the like

⚡ = 8953



**8951**

Pack of 10 turnout isolating clips · Made of plastic · For electrical isolation of rails at turnouts



**8953**

Light insert · With 10 V bulb · For use with light socket 8950 and for lighting locomotives



**8974**

Ramp · Made of plastic · Facilitates placing locos and cars on the track · Length 5 1/2" · Height 1 1/2"



**8991**

Buffer · Clips on to rails · Black · Buffer beam, white with red stripes · Length 5 5/8"



**8999**

Track fixing nails · 1/4" long · Pack of 100 nails

**8987**

Pair of carbon brushes for locomotives 8800, 8803 and 8864

**8988**

Pair of carbon brushes for locomotives 8816 and 8875

**8989**

Pair of carbon brushes for locomotive 8885

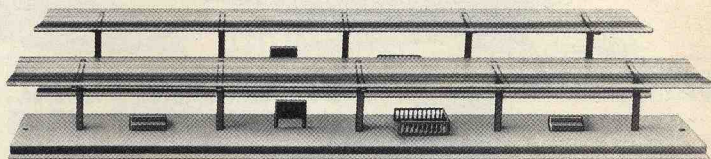
**8960**

Station building kit (Göppingen station) · Modern design · Floor area 9" x 4 1/2" · Height 1 3/4" · Designed for mounting light socket 8950



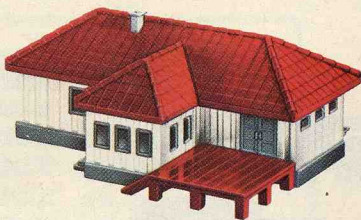
**8961**

Platform building kit · In two parts · Overall length 17" · Width 1 1/2" · Height 1"



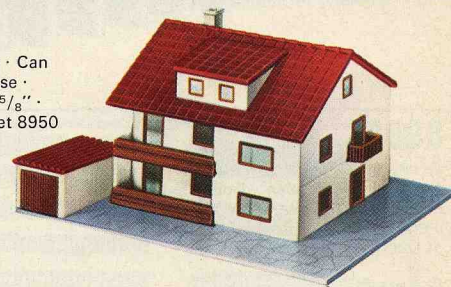
**8962**

Station building kit (Dürnau Station) · Multi-purpose building with annex and loading ramp · Floor area 2 3/4" x 2" · Height 1 1/4" · Designed for mounting light socket 8950



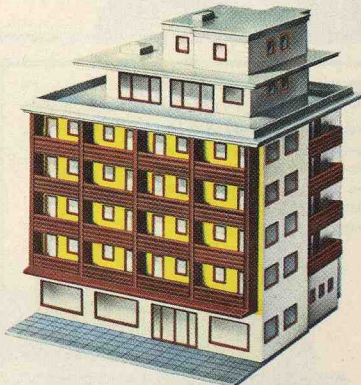
**8964**

Building kit, house with garage · Can be used as one or two-storey house · Floor area 3 1/2" x 2 3/4" · Height 1 5/8" · Designed for mounting light socket 8950



**8963**

Building kit, apartment house with penthouse · The two top sections can also be used individually as a bungalow and a kiosk · Floor area 3 3/8" x 3 3/16" · Height 3 7/8" · Designed for mounting light socket 8950



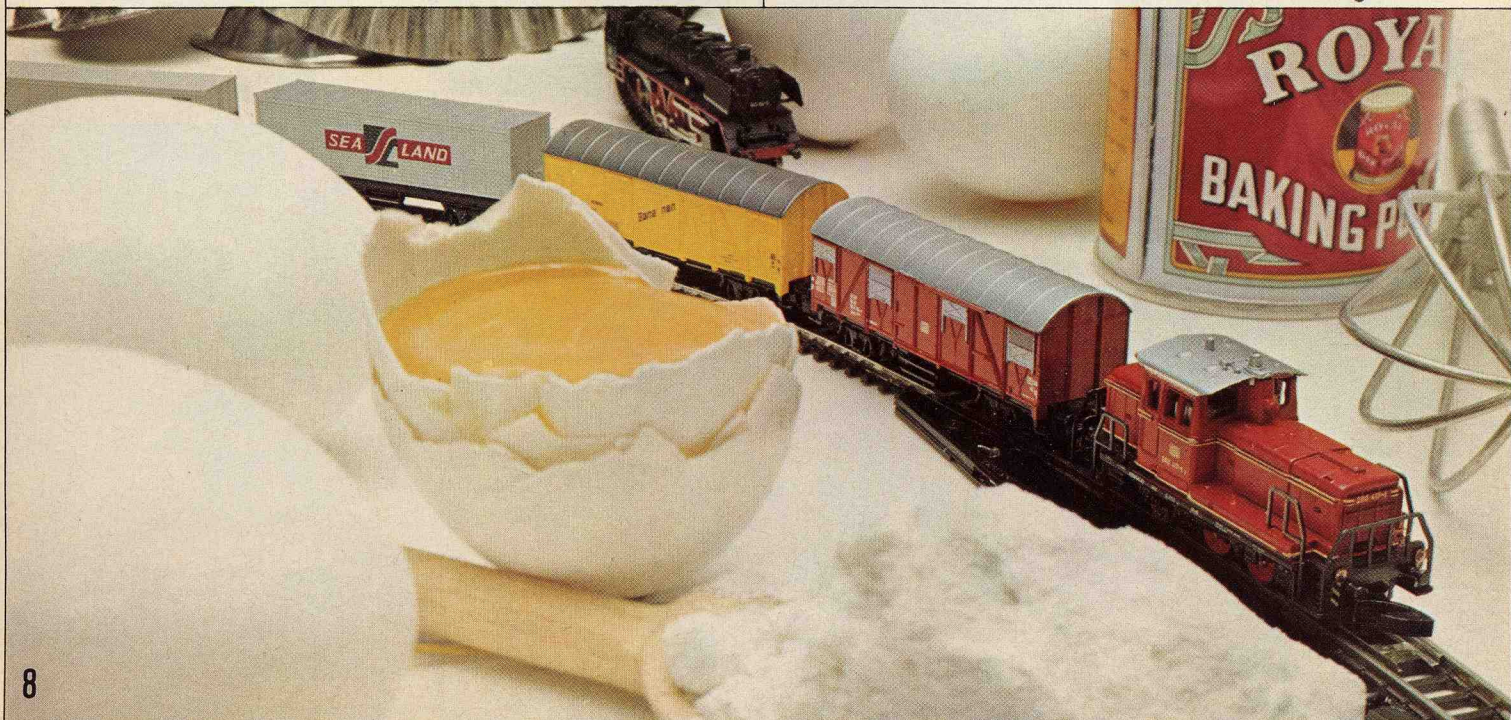
**8965 NEW**

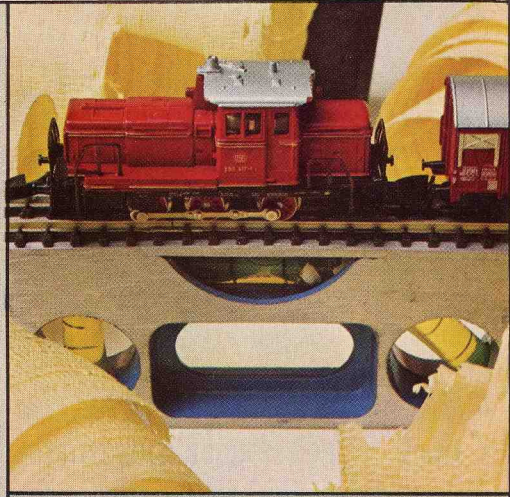
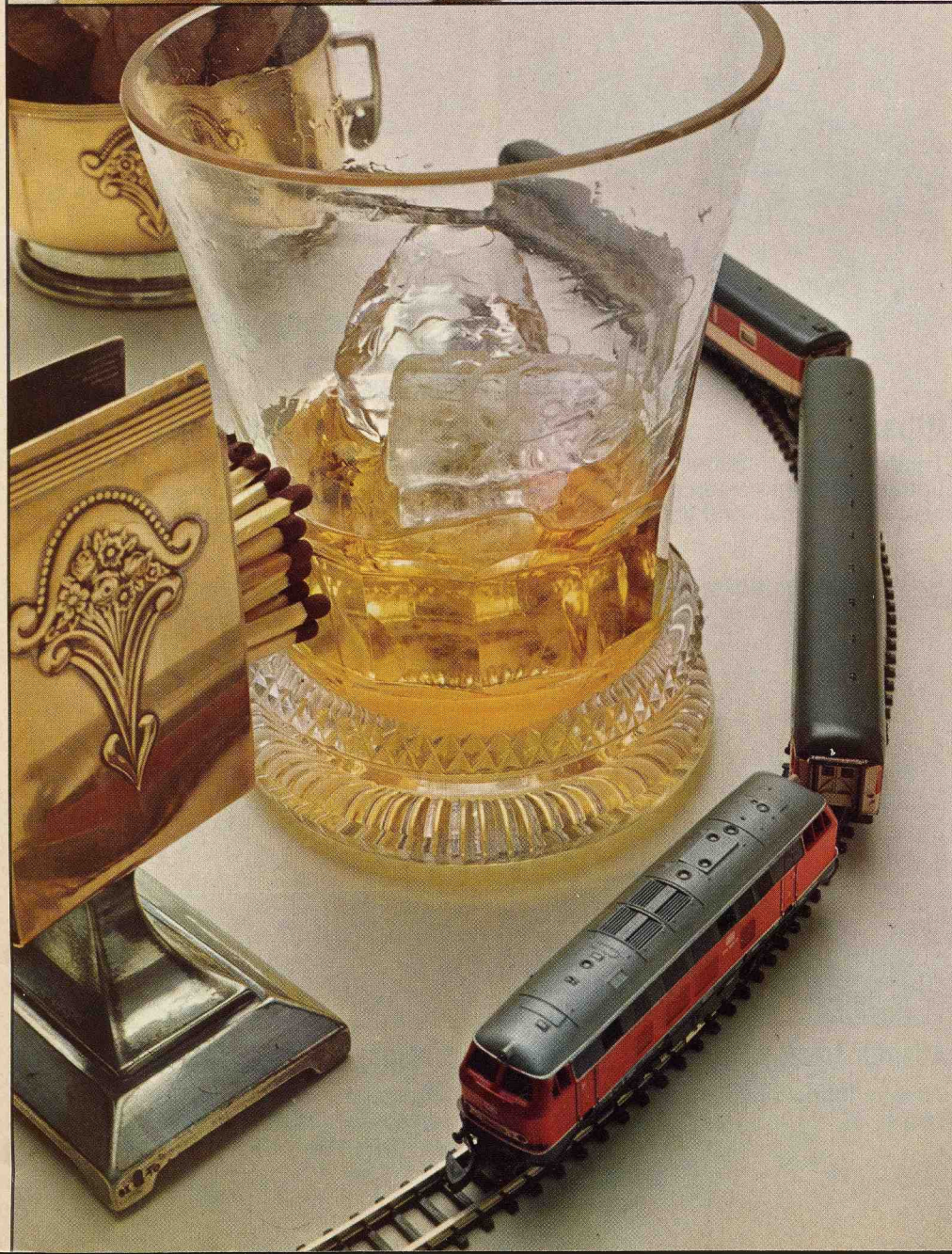
Building kit, signal box · Floor area 2 3/4" x 1 1/2" · Height 1 5/8" · Designed for mounting light socket 8950



**8973 NEW**

Pack containing different miniature automobiles





All the information given below on the HO model railroad will be of interest to you

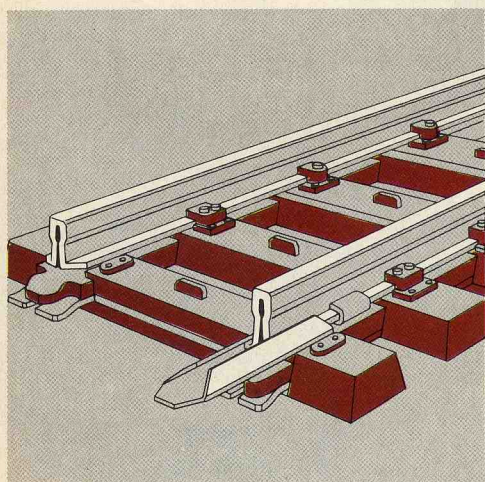
(even if you already have one).

Irrespective of whether your Märklin HO model railroad layout is large or small, there is always scope for new developments, extensions and improvements. Yet each stage is in itself complete and deeply satisfying. From the first single little train in a setting of toddler's toys and cartons, up to the extensive layout of the enthusiast, equipped by using all of Märklin's ingenious techniques, in all cases the whole of the small or simple layout can be fully integrated into the bigger or more elaborate layout, with nothing left over unused. A model railroad offers infinite possibilities as a hobby, giving a chance to plan, design, invent and do-it-yourself, so that at any age, no matter whether you are 6 or 60, you can always come back to it and find something to do giving relaxation and pleasure.

The Märklin HO Model Railroad offers special advantages inherent in the design philosophy:

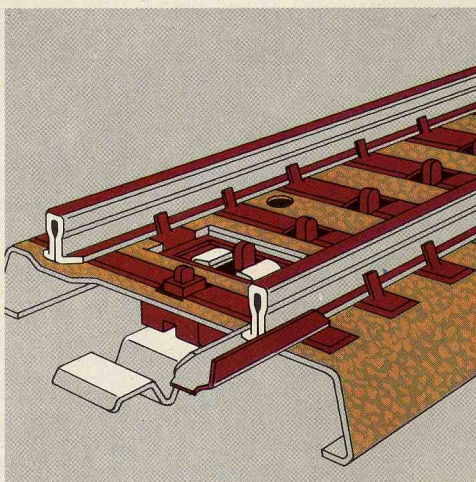
1. Power supply via the central conductor of the Märklin HO track.
2. The exclusive use of alternating current for all parts of the Märklin HO system.

These two together guarantee reliable power supply to the locomotive and electrical circuits, which are easy to follow in even the most complicated layouts. Everything is easy to understand and it is explained in addition in the instructions which accompany every item.



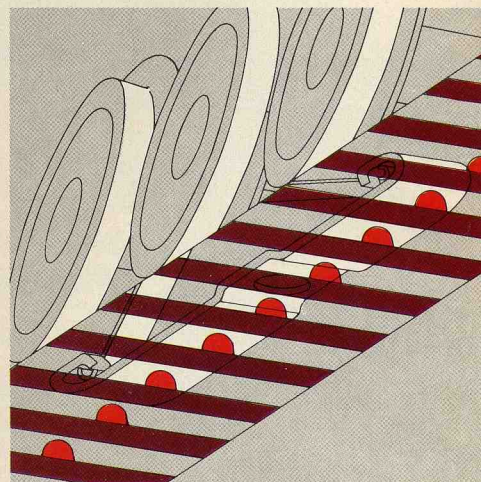
### K track

Six-fold connection between track sections, comprising two rail clips, two sprung contacts on the central conductor and two couplings on the tie strip.



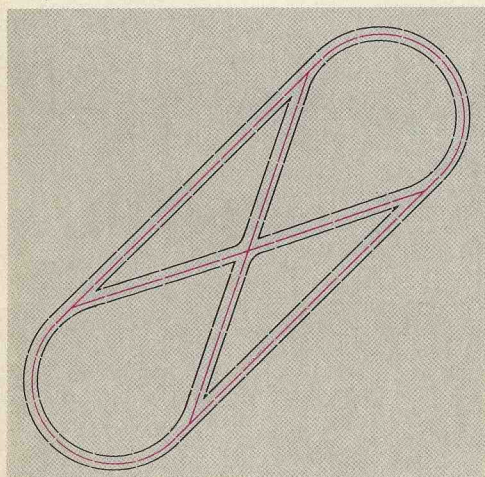
### M track

Triple connection between track sections, comprising a sprung clip on the central conductor and the two rail clips.

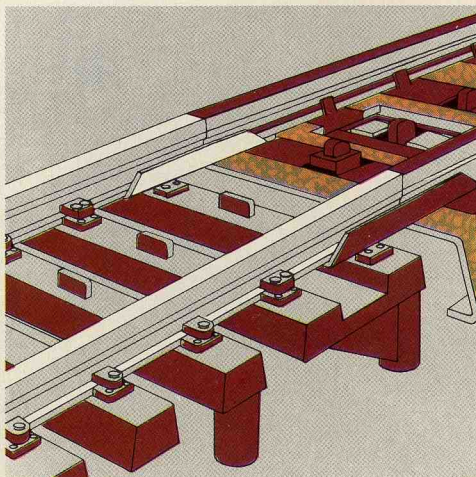


### Reliable power supply

to the motor from the point contacts via the pick-up shoe. Return via the wheels of the locomotive on both sides.

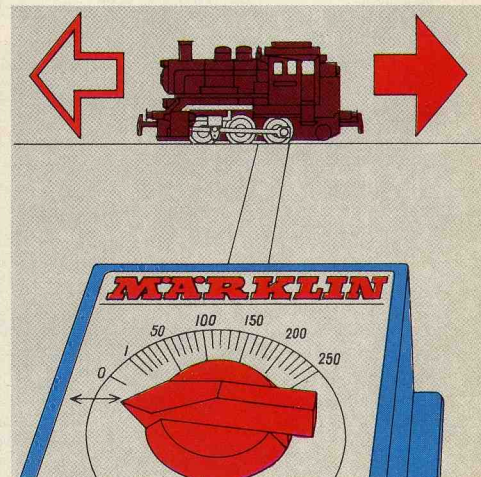


Easy-to-follow current paths without intricate circuitry



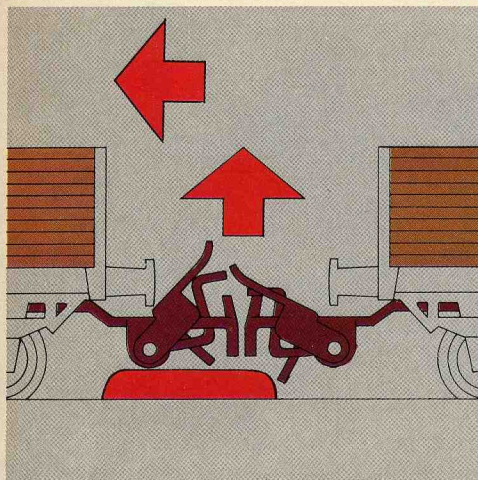
### Adapter track sections

used to connect metal tracks to plastic tracks



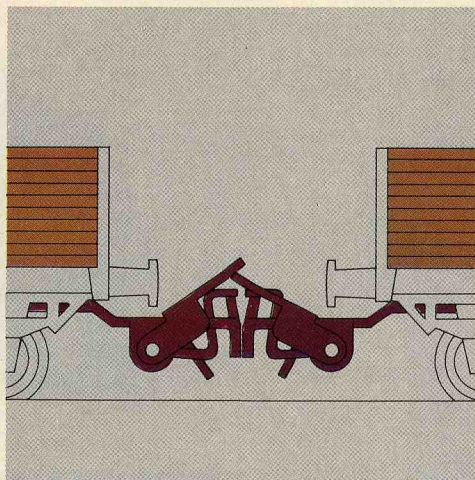
### Reversing

of the locomotive by turning the control knob on the transformer anticlockwise (over-current pulse)



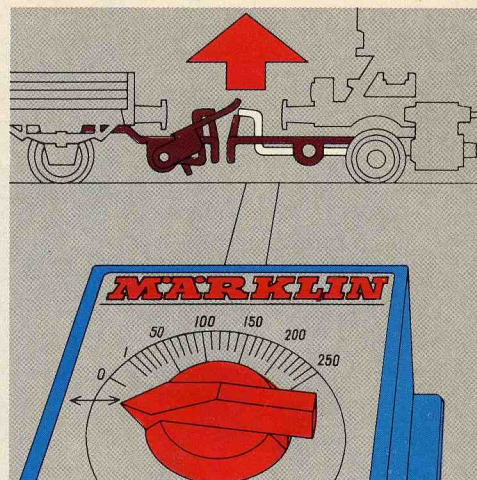
### Automatic coupling

When the cars are brought into contact, the coupling automatically engages. At the uncoupling track, uncoupling can be carried out manually or by remote control.



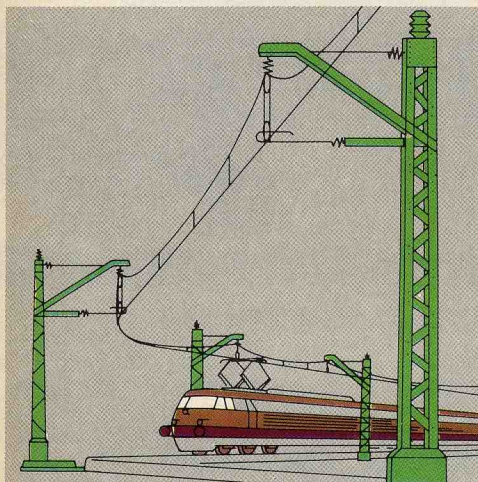
### RELEX coupling

After uncoupling, the cars can be pushed for switching without the coupling re-engaging.



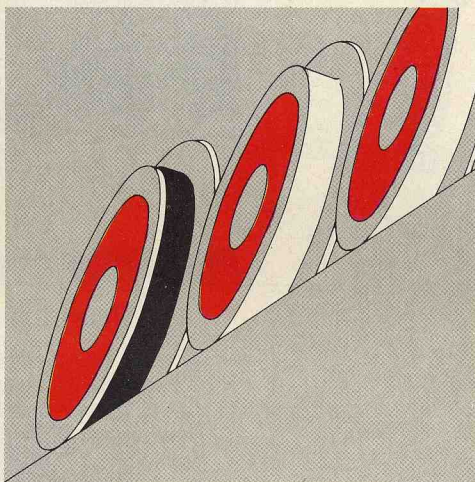
### TELEX coupling

At any point in the layout uncoupling can be carried out by remote control from the transformer.



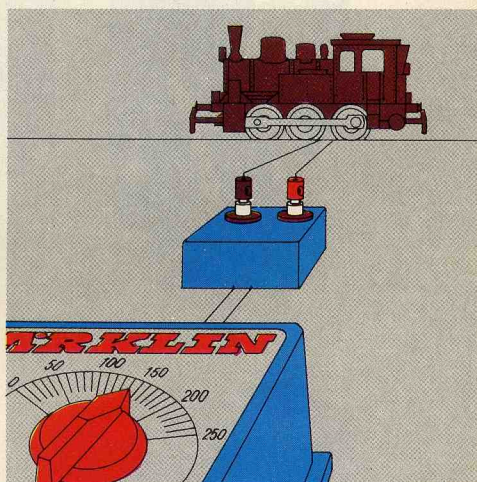
### Catenary system

If the overhead conductor is wired up as a second circuit, two locomotives can be run independently of one another on the same track.



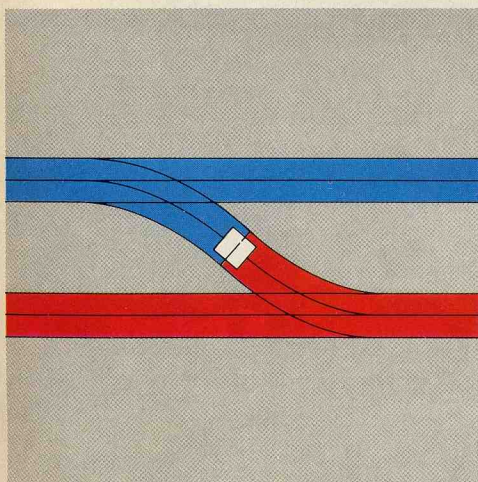
### Rubber tires

used on every locomotive, increase the pulling power by improving the grip of the wheels on the rails.



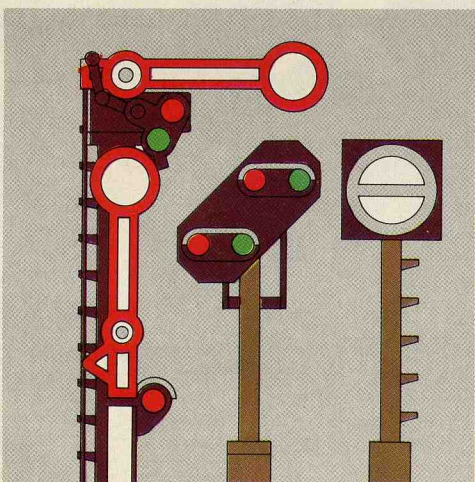
### Interference suppression

All locomotives are fitted with condensers and choke coils to suppress radio interference. The locomotives bear the official German anti-interference symbol. Incorporation of the suppressor bridge 7223 and the exclusive use of Märklin items, which are matched as regards their suppression effect, together with the Märklin transformer stated, ensures that the statutory regulations on interference suppression will be complied with.



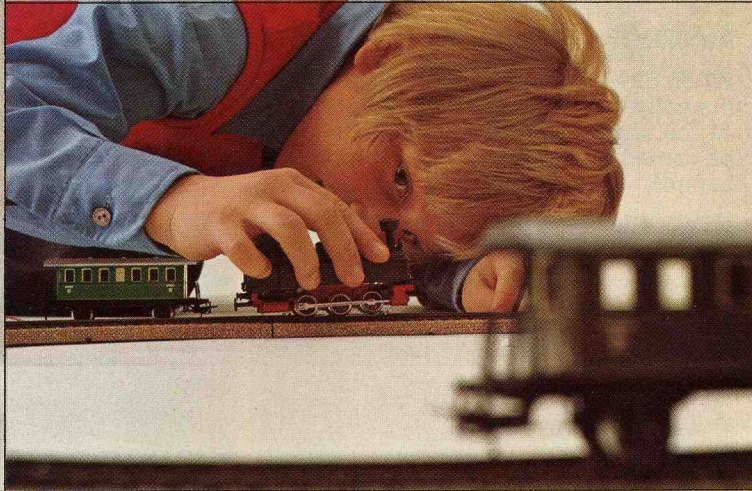
### Circuit isolation

by means of the centre conductor insulator 5022 for metal tracks on the centre conductor insulator 7522 for plastic tracks. Isolating track sections are not needed.



### Signals

enable trains to be controlled fully automatically.



## Everything big starts by being small

Almost every large model railway layout was once small. Never forget that. Particularly for children, to "start small" is always right and proper. With one of the basic sets you can make it considerably easier for yourself and your child to make a start on one of the most fascinating of hobbies. Each of the three sets is complete

with train, oval track and transformer with connections for supplying current to train and lights. Naturally it gives special pleasure if, right from the start, the trains can make a "long" run, and if the cars can be switched. All you need is a supplementary track set to expand the track layout.



All train sets on this page have oval track and transformer with track and lighting connections. Full extension capability.

- 2900** = 100 volt for Japan
- 2901** = 110 volt
- 2902** = 110 volt for USA
- 2905** = 125 volt
- 2909** = 240 volt for England
- 2914** = 220 volt for Finland
- 2921** = 220 volt

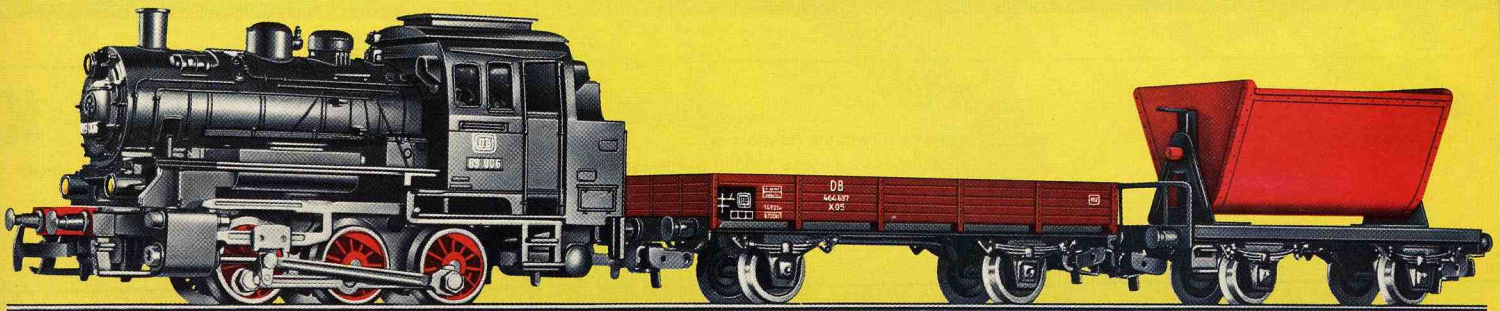
Passenger train with transformer  
 Consisting of tank locomotive, two passenger cars, 1 straight track section 5106, 1 feeder track section 5111, 8 curved track sections 5120 and 1 transformer · Length of train 13<sup>3</sup>/<sub>4</sub>"

## M

The transformer included in these gift sets, like all Märklin railroad transformers of the Groups 6500 and 6600, has connections for the track and for lighting or solenoid-operated items, and in addition will supply an overvoltage to reverse the locomotives. Bigger locomotives too, or additional turnouts or signals, can be operated by means of this transformer, which switches itself off if it is overloaded or if its temperature rises too much.

Connect the transformers only to an AC power supply

The transformers in these basic sets are not supplied separately.



- 2931** = 220 volt
- 2934** = 240 volt for England
- 2937** = 115 volt for USA
- 2938** = 110 volt
- 2961** = 125 volt
- 2965** = 100 volt for Japan

Freight train with transformer  
 Consisting of locomotive 3000, 2 freight cars, 12 curved track sections 5100, 1 straight track section 5106, 1 feeder track section 5111 and 1 transformer · Length of train 12<sup>1</sup>/<sub>2</sub>"

## M

- 2800** = 110 volt
- 2801** = 125 volt
- 2803** = 220 volt
- 2805** = 100 volt for Japan
- 2815** = 110 volt for USA
- 2818** = 220 volt for Finland

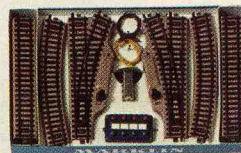
Freight train with transformer  
 Consisting of locomotive 3000, 2 freight cars, 12 curved track sections 2121, 1 straight track section 2100, 1 feeder track section 2190, 2 leads and 1 transformer · Length of train 12<sup>1</sup>/<sub>2</sub>"

## K

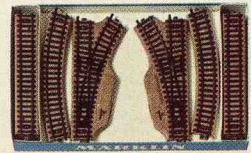
For enlarging the basic sets 2900—2921 and 2931—2965 we recommend the supplementary track sets 5090, 5091 and 5092 on page 52 and for the basic sets 2800—2818, the supplementary track set 2091 on page 57.

Exact descriptions of the items are given on pages 52 and 57.

### 5090



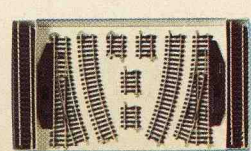
### 5091



### 5092



### 2091





Train sets without transformer,  
with oval track -  
full extension capability

## 3200

Freight train (without transformer)

Consisting of locomotive 3000, 3 freight cars, 11 curved track sections 5100, 2 straight track sections 5106 and 1 feeder track section 5103 · Length of train 16 1/2"

# M

The train sets are supplied in very attractive gift boxes.



## 3203

Freight train (without transformer)

Consisting of locomotive 3003, 3 freight cars, 11 curved track sections 5100, 2 straight track sections 5106 and 1 feeder track section 5103 · Length of train 21"

# M

## 3183

Freight train (without transformer)

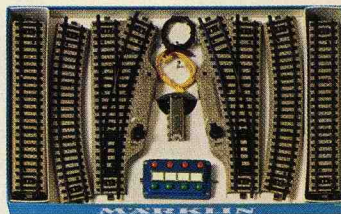
Consisting of locomotive 3003, 3 freight cars, 12 curved track sections 2121, 1 straight track section 2100, 1 feeder track section 2190 and 2 leads · Length of train 21"

# K

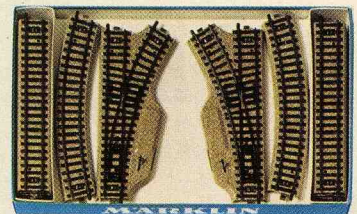
For enlarging sets 3200 and 3203 we recommend the supplementary track sets 5090, 5091 and 5092 on page 52 and for set 3183, the supplementary track set 2091 on page 57.

Accurate descriptions of these sets are given on pages 52 and 57.

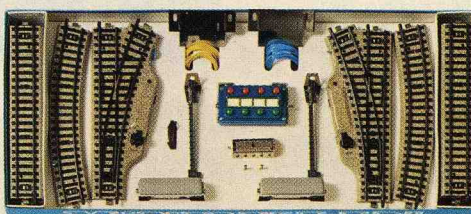
## 5090



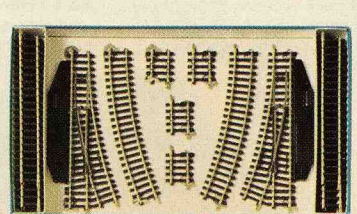
## 5091



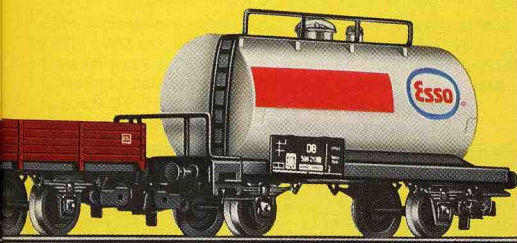
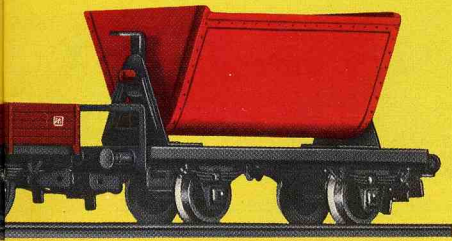
## 5092



## 2091





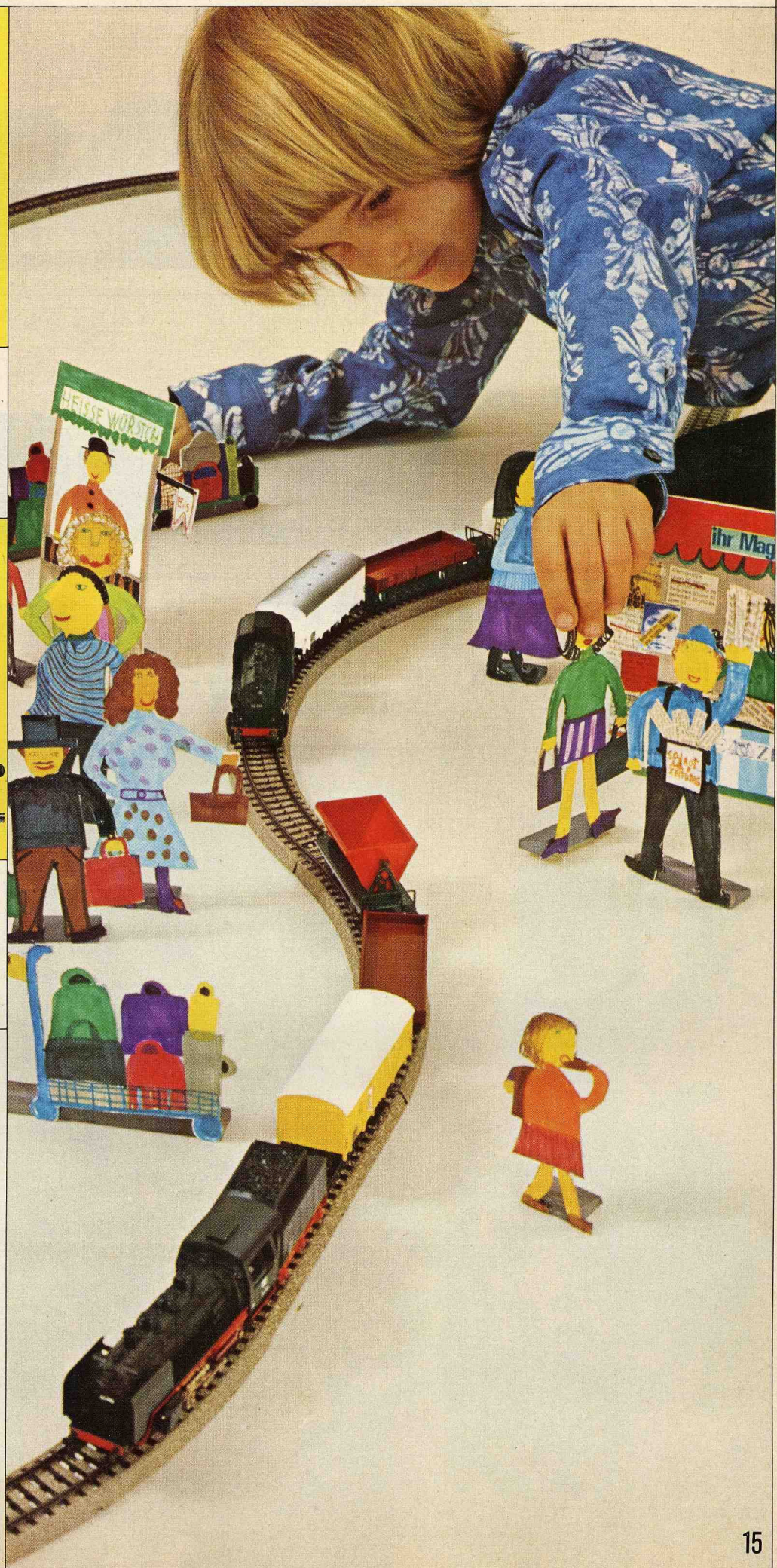


## Gift boxes - a good idea

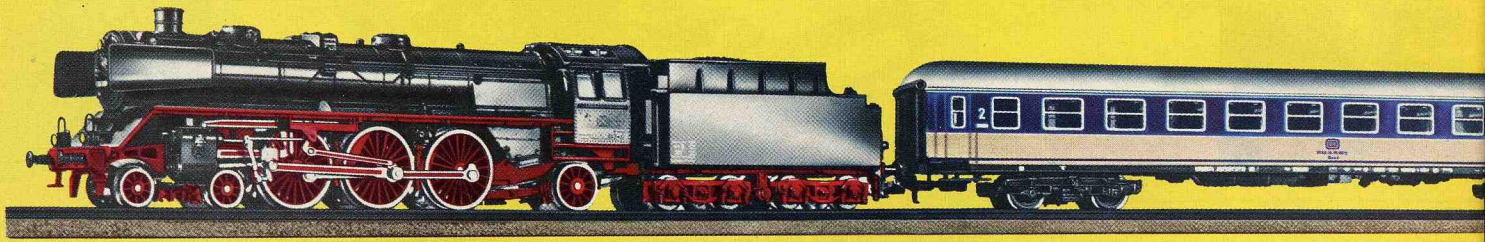
*These bigger train sets not only have more cars and more track, they also have the advantage of being just as suitable for giving away as presents as for buying for oneself. What a good way to start on a bigger scale for example. The only extra purchase needed is one of the transformers on page 67 and the set is immediately ready to run.*

*Since these are bigger trains, a supplementary track set is highly recommended. This small outlay will considerably increase the fun to be got from the set. The pleasure grows in proportion to the length of the track.*

*In choosing a supplementary track set, you have not merely one, but several possibilities. That is another gratifying advantage. Amongst the sets 5090, 5091 and 5092 on page 52 and 2091 on page 57 you will certainly find the right one to suit you.*



3122



Train sets without transformer,  
with oval track  
with full extension capability

3122

Express train (without transformer)

With diesel locomotive 3021, 2 express coaches with interior fittings, 1 baggage car with corridor, 11 curved track sections 5100, 1 feeder track section 5103 and 6 straight track sections 5106 · Length of train 38"

**M**

For enlarging the 3122 we recommend the supplementary track sets 5090, 5091 and 5092 on page 52.





### 3185 NEW

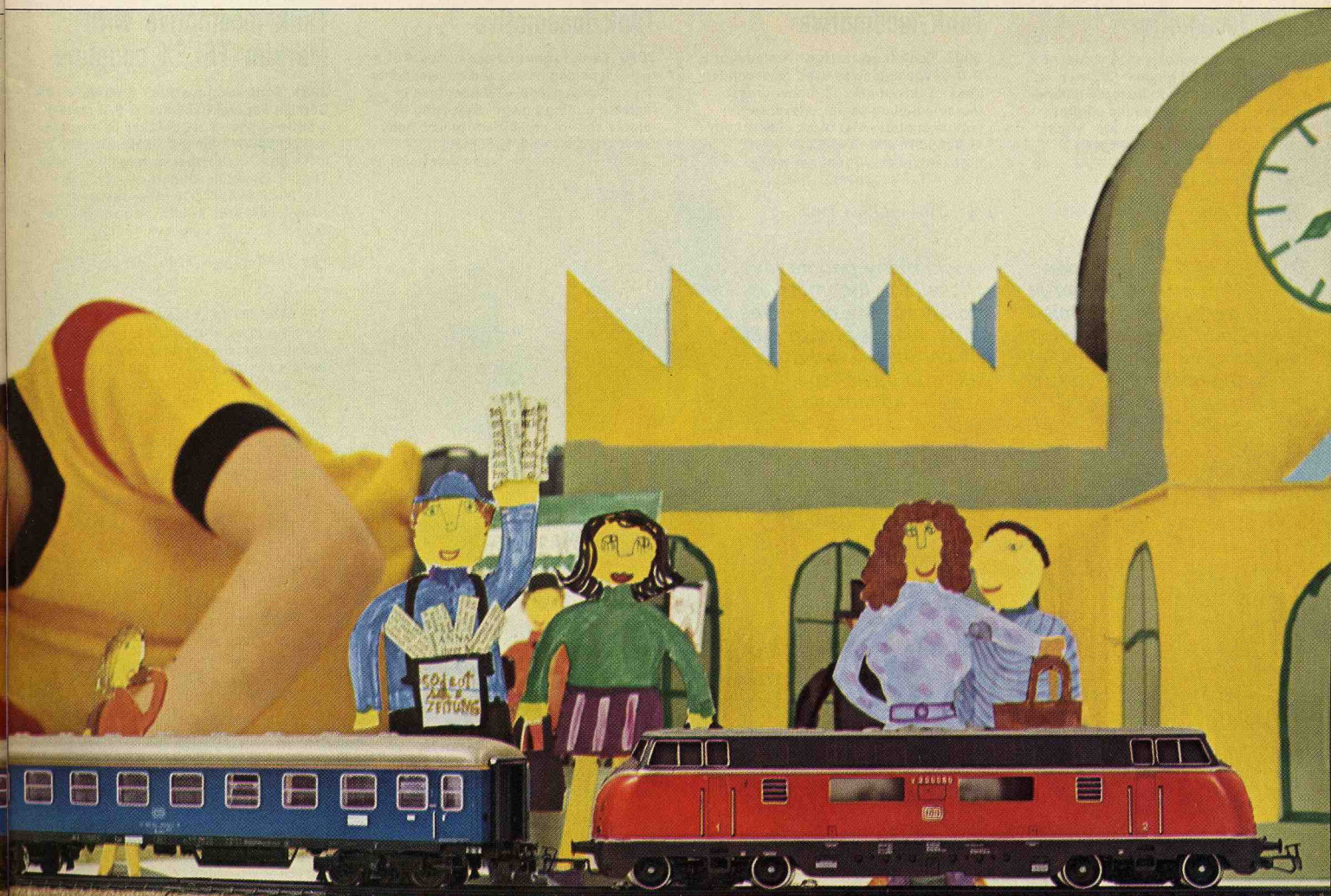


### 3185 NEW

# M

Express train with turnouts (without transformer)

With express locomotive 3085, 1 each passenger coaches 4092, 4093 and 4094, 11 curved track sections 5100, 1 feeder track section 5103, 19 curved track sections 5106, 1 straight track section 5108, 1 pair of solenoid-operated turnouts 5117, 1 control panel 7072 and 4 leads - Length of train 44"



**3000**



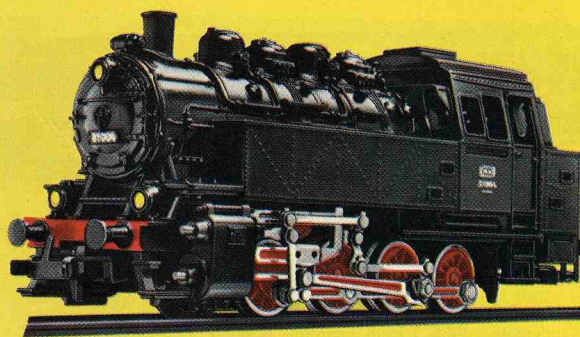
**3090**



**3087**




**3031**



**3000**

## Tank locomotive


**3000 Tank locomotive** · A model of the 0-6-0 class 89 engine · 3 driven axles · 2 rubber tires to increase pulling power · Reversing by remote control · Three working headlights · Mat black plastic body · Die-cast zinc frame · Coupling hook at each end · 4<sup>3</sup>/<sub>8</sub>" long over buffers

⊙ = 7154    = 7185   ⊕ = 60010

**3087**

## Tank locomotive

**3087 Tank locomotive** · A model of a 0-6-0 type engine as used on secondary lines · 1 driven axle · 2 rubber tires to increase pulling power · Reversing by remote control · Mat black plastic body · Water tanks and drivers cab green · Die-cast zinc frame · Coupling hook at each end · 4<sup>1</sup>/<sub>4</sub>" long over buffers.

⊙ = 7154    = 7185


*Because of the many uses to which they can be put in passenger and freight train service and especially for switching work in switching yards, their attractive form and the ease with which they can be put on the*

*track, many people favour these tank locomotives. Their ability to stay on curves at high speeds and to pull heavy loads, and their harmonious shape, are special advantages of these models.*

**3090**

## Tank locomotive


**3090 Tank locomotive** · A model of a 0-6-0 type engine as used on secondary lines · 1 driven axle · 2 rubber tires to increase pulling power · Reversing by remote control · Mat black plastic body · Die-cast zinc frame · Coupling hook at each end · 4<sup>1</sup>/<sub>4</sub>" long over buffers

⊙ = 7154    = 7185

**3031**

## Tank locomotive with Märklin TELEX coupling

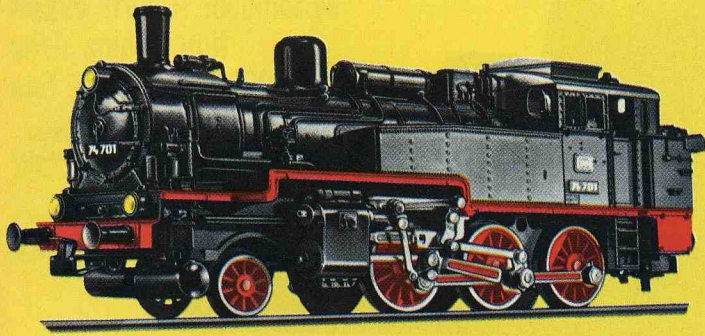
**3031 Tank locomotive** · A model of the German Federal Railways' 0-8-0 class 81 · 4 driven axles · 2 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · Three working headlights at each end · Mat black metal body · Die-cast zinc frame · Märklin TELEX coupling at each end · 5" long over buffers

⊙ = 7154    = 7185   ⊕ = 60010

The Märklin TELEX coupling enables the train to be uncoupled from the engine at any desired point on the system, by remote control from the transformer. The train can be coupled up again at any point, as with an automatic coupling. No extra accessories are needed.

The following locomotives are equipped with Märklin TELEX coupling: 3031, 3047, 3065 and 3096.

**3095**



**3095**

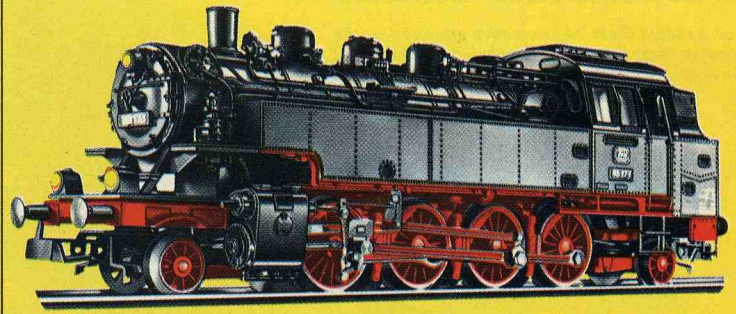
## "BR 74", a very desirable Märklin model

*The first superheated steam tank locomotives were put into service by the Berlin State Railways Directorate in 1902. They proved so successful that hundreds of engines of this type were used for suburban passenger services right up to the time when the Berlin Circle, Metropolitan and suburban lines were electrified in the nineteen-twenties. Over the years, nearly 1000 of these very reliable engines were built. When they were no longer required in Berlin they were allotted to numerous centers for use on short distance passenger services and for switching work. Their length was 38 ft. 8" to 39 ft. 8". Weighing approximately 70 t in working order, they could reach a speed of 50 miles an hour running either forward or backwards.*

**3095 Tank locomotive** · A model of the German Federal Railways' 2-6-0 Class 74 engine · 3 driven axles · 2 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · Three working headlights · Mat black plastic body · Die-cast zinc frame · Coupling hook in front with advance uncoupler, automatic coupling at the rear with advance uncoupler (RELEX) · 5 1/4" long over buffers

⊖ = 7153    ⊞ = 7185    ⊕ = 60010

**3096**



**3096**

## "BR 86" Standard German Federal Railways' locomotive with Märklin TELEX coupling

*The standard Class 86 locomotive was developed for freight and passenger service on busy secondary lines. The number of engines of this type used by the former German State Railways reached the respectable total of 774. After the war, the German Federal Railways took over 385 of them but only a few are still in service. Some of them were equipped with Krauss-Helmholtz frames which increased their speed from about 45 up to 50 miles an hour. The length of these locomotives is 46 ft. 6". With a weight of 88.5 tons in working order, the maximum axle load is 15.6 tons.*

**3096 Tank locomotive** · A model of the German Federal Railways Class 86 2-8-2 locomotive · 4 driven axles · 2 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · Three working headlights at each end · Fully detailed mat black plastic body with many extras mounted · Die-cast zinc frame · Märklin TELEX coupling at each end · 6 1/4" long over buffers

⊖ = 7153    ⊞ = 7164    ⊕ = 60015

**8396**

The same model as 3096, but for two-rail DC operation (see page 23) and without TELEX coupling



## 3003

### Mixed traffic steam locomotive

The standard Class 24 locomotive was used on the German Federal Railways for passenger and freight services. Its maximum speed was 56 miles an hour.



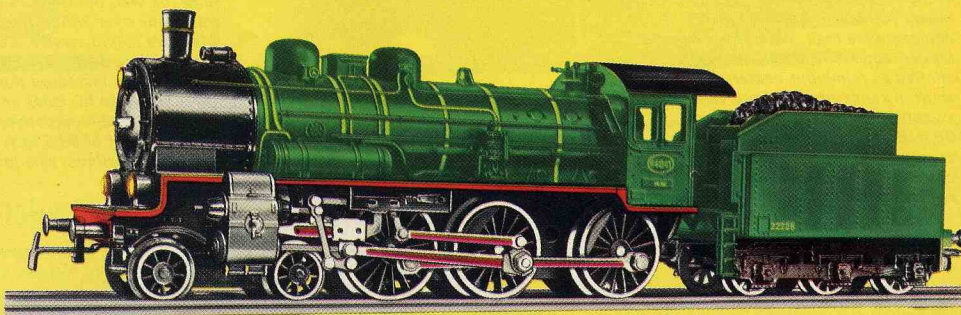
**3003 Passenger locomotive with tender** · A model of the German Federal Railways' 2-6-0 Class 24 engine · 3 driven axles · 2 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · Three working headlamps · Mat black plastic body · Die-cast zinc frame · Coupling hook in front and

automatic coupling with advance uncoupler (RELEX) on the tender · 8" long over buffers

⊙ = 7153    🚂 = 7185    ⚙ = 60010

## 3086 NEW

### Belgian State Railways' locomotive with tender



**3086 Locomotive with tender** · A model of the Belgian State Railways (SNCB) Class 64 4-6-0 locomotive · 3 driven axles · 2 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · Three working headlamps · Green metal body, boiler rings and external piping bronze-coloured · Die-cast zinc frame · Coupling hook at front, automatic coupling

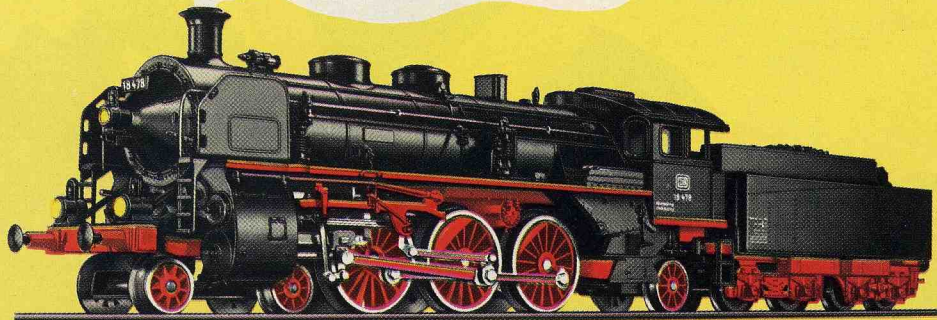
with advance uncoupler (RELEX) on tender · 8 1/2" long over buffers

⊙ = 7152    🚂 = 7185    ⚙ = 60015

## 3091

### "BR 18" Express locomotive with smoke unit

Connoisseurs regard the Bavarian S 3/6 class locomotives, with their powerful cylinder group, clearly arranged underframe, fairings and typical flared smoke-stack, as the best looking of all steam locomotives. The S 3/6's, whose designation was later changed to Class 18<sup>a</sup> by the German Federal Railways, were often used to pull international expresses, including the famous "Rheingold" not only because of their appearance but because of their excellent performance. They reached a maximum speed of 75 mph with a weight in working order of 92.3 tons. There were just over 69 feet long over the buffers. The last engine of this class, No. 18478, was taken out of service in July 1960.



**3091 Express locomotive with tender** · A model of the 4-6-2 Class 18 German Federal Railways' locomotive (Bavarian S 3/6 series i) · 3 driven axles · 2 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · **Device to produce very realistic smoke** consisting of a smoke unit built into the locomotive and a capsule containing oil to produce

smoke (refill capsule 0241 see page 64), with a syringe for filling up with oil · Three working headlamps · Mat black metal body · Fully detailed valves and fittings · Die-cast frame · Automatic coupling with advance uncoupler (RELEX) on the tender · 10" long over buffers

⊙ = 7152    🚂 = 7185    ⚙ = 60015

## 8391

The same model as 3091 but for two-rail DC operation (see page 23)

## 3047

### Heavy freight locomotive with smoke unit and Märklin TELEX coupling

*This Class 44 is one of the most powerful steam locomotives in freight service on the German Federal Railways, developing nearly 2000 HP. This majestic engine is seen on long distance runs in areas which have not yet been electrified. Because this magnificent locomotive makes such a particularly powerful impression, we have taken meticulous care in modelling it.*



The same model as 3047, but for two-rail DC operation (see page 23) and without the TELEX coupling



## 8347

**HAMO**

**3047 Heavy freight locomotive with tender** · A model of the German Federal Railways' Class 44 2-10-0 locomotive · The locomotive and tender are permanently connected together · Excellent running characteristics and easy running on curves are obtained in spite of the 5 driven axles, by dividing the frame into two different groups of driving wheels · 4 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · **Device for producing**

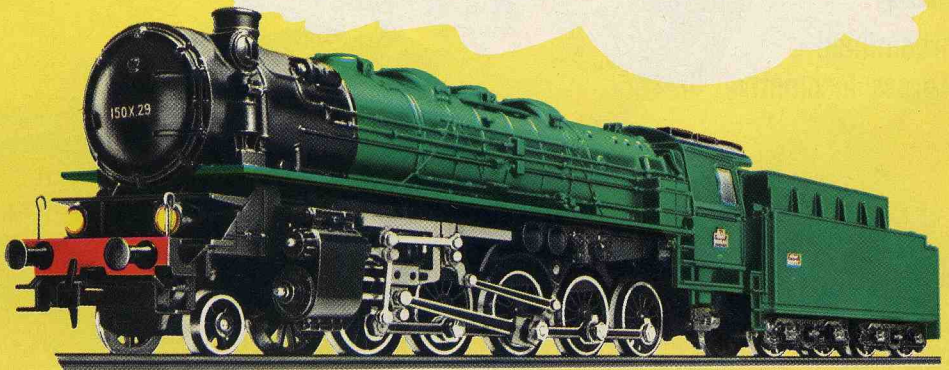
**very realistic smoke**, consisting of the smoke unit fitted in the locomotive, substitute steam pipe, cleaning wire, tweezers and a capsule of oil for producing the smoke (refill capsule 0241 see page 64) · Three working headlights · Dull black metal body · Die-cast zinc frame · Coupling hook in front, **Märklin TELEX coupling** on the tender · 11" long over buffers  
The **Märklin TELEX coupling** on the tender enables the train to be uncoupled from the tender at any point in

the system, by remote control from the transformer. The train can be coupled up again at any point, as with an automatic coupling. No extra accessories are needed.

⊙ = 7153     = 7175     = 60010



## 3046

### French Railways' heavy freight locomotive with smoke unit



**3046 Heavy freight locomotive with tender** · A model of the Class 150 X 2-10-0 locomotive of the French State Railways (Société Nationale des Chemins de Fer Français or SNCF) · Excellent running characteristics and easy running on curves are obtained in spite of the 5 driven axles, by dividing the frame into two different groups of driving wheels linked together · 4 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · **Device for producing**

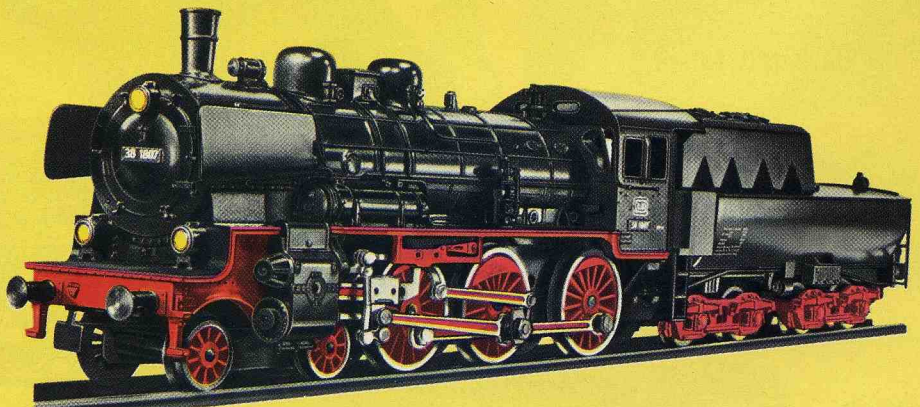
**very realistic smoke**, consisting of a smoke unit fitted in the locomotive, substitute steam pipe, cleaning wire, tweezers and a capsule of oil for producing smoke (refill capsule 0241, see page 64) · 2 working headlights · Dark green metal body · Die-cast zinc frame · Coupling hook in front, automatic coupling with advance uncoupler (RELEX) on the tender · 11" long over buffers

⊙ = 7153     = 7175     = 60010

## 3098

### The handsome "P 8" as a Märklin model

*The P 8 was built in Berlin by Schwarzkopff as far back as 1906 and it was used by the Prussian State Railways for local and express services. Because of its reliability, it remained one of the preferred types of locomotive for many years in some of the regions in spite of it being approved for a maximum speed of 63 mph only. Altogether 3800 of these locomotives were built by a number of different firms. A few of them are still running on the Federal Railways' tracks.*





## 8398

The same model as 3098, but for two-rail DC operation (see page 23)

**HAMO**

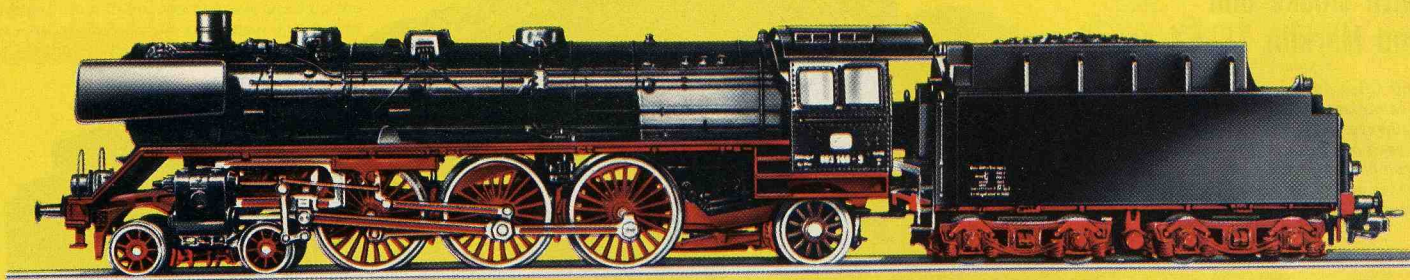
**3098 Locomotive with tender** · A model of the German Federal Railways' Class 38 4-6-0 locomotive · 3 driven axles · 2 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · Three working headlights · Mat black metal body with detailed imitation of the valves and fittings on the

boiler and in the driver's cab · Die-cast zinc frame · Trough shaped tender with two bogies · Coupling hook in front, automatic coupling with advance uncoupler (RELEX) on the tender · 9 3/8" over buffers

⊙ = 7152     = 7185     = 60015

## 3085 NEW



### "BR 003" Express locomotive of the German Federal Railways



The former German State Railways used about 300 locomotives of the Class 03 (now called Class 003) as a somewhat lighter variant of Class 01, for pulling express trains on tracks which were not approved for axle loads of 20 t. They produced 1980 HP giving a top speed of 80 mph. Coupled to the tender T 32 the overall length over the buffers was 78 feet.

**3085 Express locomotive with tender** · A model of the German Federal Railways' Class 003 4-6-2 locomotive · 3 driven axles · 2 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · Three working headlights · Very finely detailed mat black metal body · Die-cast zinc frame · Automatic

coupling with advance uncoupler (RELEX) on the tender · 10<sup>3</sup>/<sub>4</sub>" long over buffers · **The locomotive is arranged for the smoke unit 7226 to be fitted (see page 64)**

⊙ = 7152     = 7164     = 60015

## 3094



### Streamlined express locomotive "03<sup>10</sup>"



After streamlined fairings had proved themselves on other locomotives by reducing the wind resistance at high speeds, the Class 03<sup>10</sup> locomotives with three-cylinder engines were put into service with streamlined fairings in 1937. For easier maintenance however the driving wheels were left uncovered. This class was developed as a lighter version of the Class 01 with an original axle load of 17 tons and a top speed of 85 mph.

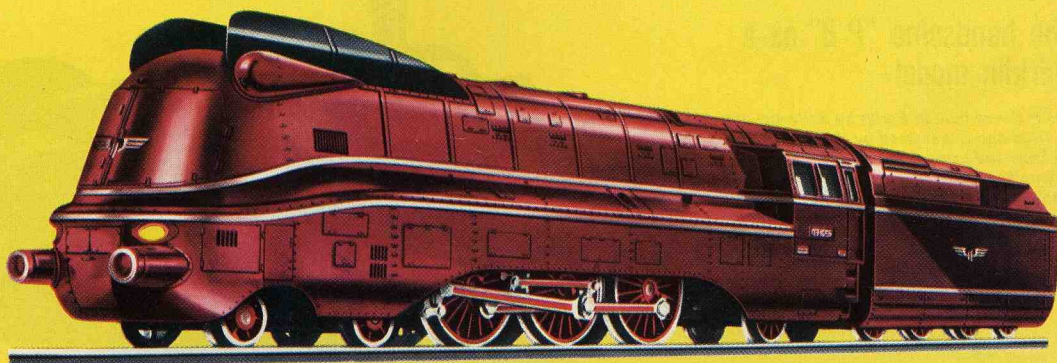
**3094 Streamlined express locomotive with tender** · A model of the 4-6-2 Class 03<sup>10</sup> locomotive · 3 driven axles · 2 rubber tires to increase pulling power · Simulated Heusinger valve gear · Reversing by remote control · 2 working headlights · Mat black streamlined metal body with silver stripes · Fully detailed cab and

boiler valves and fittings · Die cast zinc frame · Automatic coupling with advance uncoupler (RELEX) on the tender · 10<sup>3</sup>/<sub>4</sub>" long over buffers

⊙ = 7152     = 7185     = 60015

## 3089



### "03<sup>10</sup>" - Dark red finish



## 8389

The same model as 3089, but for two-rail DC operation (see page 23)

**3089 Streamlined express locomotive with tender** · The same model as 3094, but with dark red streamlined body with silver stripes · Black wind deflectors

⊙ = 7152     = 7185     = 60015

**HAMO**



# HAMO

HAMO locomotives for two conductor DC operation are fitted with permanent magnet motors. Reversal of direction is effected by reversing the polarity of the traction current. On electric locomotive types, the headlights change ends on reversing.

These models can be operated on any tracks which conform the NEM standards. A replacement set of couplings is supplied with each locomotive to enable rolling stock of other makes to be coupled up.

HAMO locomotives are made by Märklin.

## Accessories for Märklin HO-gauge locomotives see page 64

### Pantographs

Pairs of carbon brushes

Oil bottles, Smoke oil

Reverser unit springs

Rubber tires

Current pick-up shoes

Light bulbs



## 3044



### Electric switching locomotive "EA 800"

Locomotives of this type were designed for heavy track and switching service on industrial lines, and for transferring cars to mainline railroads. They can draw power either from overhead lines or from internal batteries. Maximum speed is approximately 35 mph. The locomotive with single-axle drive develops 39 000 lbs tractive force. It weighs 60 tons and is 35 feet long.



**3044 Electric locomotive** · A model of a multi-system industrial locomotive of Type EA 800 · Six-wheeled with all three axles driven · 2 rubber tires to increase pulling power · Reversing by remote control · Switch lever to permit selection of operation from the overhead line or the track contacts · Three working headlights at each end ·

Red plastic body · Single-bar pantograph mounted on roof · Die-cast zinc frame · Fully detailed journal boxes · Coupling hook at each end · 4 1/2" long over buffers

⊙ = 7154     = 7166     = 60015

## 3022



### "194" Heavy electric freight locomotive

The Class 194 locomotive is the workhorse of the railways. The starting power of the six motors applies 6350 HP to the wheels. With a service weight of 120 tons they have a maximum starting tractive force of 40 tons. They reach a top speed of only about 56 mph it is true, but on the other hand, even with the heaviest freight train, no gradient is too much for them. 124 of these 70-foot long giants are in service on the German Federal Railways.



**3022 Electric freight locomotive** · A model of the Federal German Railways 0-6-6-0 Class 194 locomotive · 3 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · 3 working headlights at each end · Switch lever for selecting operation from the overhead line or the track contacts · Two spring-loaded

pantographs on roof · Green, three-section metal body · Silver-coloured roof · Inset windows with plastic frames · Automatic coupling with advance uncoupler (RELEX) at each end · 8 1/4" long over buffers

⊙ = 7153     = 7164     = 60015

## 8322

The same model as 3022, but for two-rail DC operation (see page 23)

**HAMO**

## 3054



### Express locomotive "103"

This is at present the most stylish, most powerful and fastest of the German Federal Railways' express electric locomotives. 62 feet long, its six axles are driven by six motors developing nearly 9000 HP. Its service weight is 112 t and the mighty tractive force of 32 t takes account of future requirements. On suitable tracks, expresses pulled by the "103" electric locomotives travel at maximum speeds of 125 mph. All the splendid features of the original are captured in the small Märklin model.



**3054 Electric express locomotive** · A model of the German Federal Railways' 0-6-6-0 Class 103 locomotive · 3 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Switch lever for selecting operation from the overhead line or the track contacts · Die-cast zinc frame · Fixed buffer beams · Specially low centre of

gravity · Plastic body in the TEE colours, beige and red · Aluminium-coloured roof superstructure · Inset windows with plastic frames · 2 spring-loaded pantographs on roof · Coupling hook at each end · 8 1/2" long over buffers

⊙ = 7153     = 7164     = 60015



## 3034 "141" The multi-purpose electric locomotive

*The class 141 has an in-service weight of 66.4 tons and a length of 50 feet. The 4 traction motors develop about 3100 HP giving a maximum speed of 75 mph. It is used for passenger and freight services.*

**3034 Electric locomotive** · A model of the German Federal Railways 0-4-4-0 Class 141 locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Switch lever for selecting operation from the overhead line or the track contacts · 2 spring-loaded pantographs on roof · Blue metal body · Fixed buffer beams · Silver-coloured roof · Coupling hook with advance uncoupler at each end · 7" long over buffers

⊙ = 7153 | 🚂 = 7164 | ⚙ = 60015



## 3037

**3037 Electric locomotive** · A model of the German Federal Railways' Class 141 locomotive · Similar to 3034, except that the body is green

⊙ = 7153 | 🚂 = 7164 | ⚙ = 60015



## 3039 Electric express locomotive "110"

*The electric locomotives of Classes 110 and 140 were purchased by the German Federal Railways from 1956 on. The "110" is used as an express locomotive with an authorised maximum speed of 90 mph, while the "140" is used as a freight locomotive with an authorised maximum speed of 70 mph. Both of them have four traction motors developing together about 5000 HP, but the power is transmitted to the driving wheels through different gears. The locomotives weigh 85 tons and are nearly 50 feet long over the buffers.*

**3039 Electric express locomotive** · A model of the German Federal Railways' 0-4-4-0 Class 110 locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Switch lever for selecting operation from the overhead line or the track contacts · Blue metal body · Fixed buffer beams · Scale reproduction of all roof details · 2 spring-loaded pantographs on roof · Silver-coloured roof · Inset windows with plastic frames · Coupling hook with advance uncoupler at each end · 7 1/8" long over buffers

⊙ = 7153 | 🚂 = 7164 | ⚙ = 60015



## 3040 "140" German freight locomotive

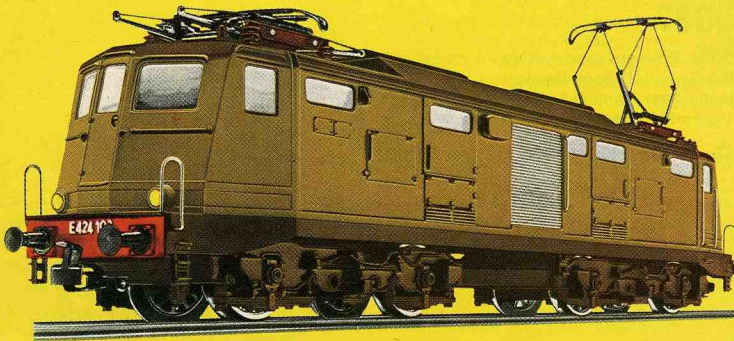
**3040 Electric freight locomotive** · A model of the German Federal Railways' 0-4-4-0 Class 140 locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Switch lever for selection of operation from the overhead line or the track contacts · Green metal body · Fixed buffer beams · Scale reproduction of the roof items · 2 spring-loaded pantographs on roof · Silver-coloured roof · Inset windows with plastic frames · Coupling hook with advance uncoupler at each end · 7 1/8" long over buffers

⊙ = 7153 | 🚂 = 7164 | ⚙ = 60015

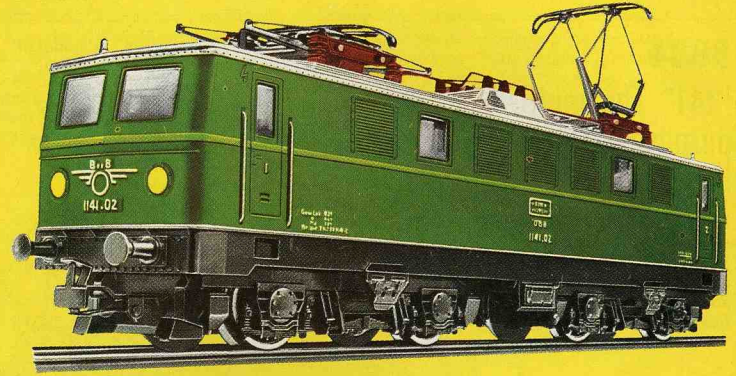
**3038**



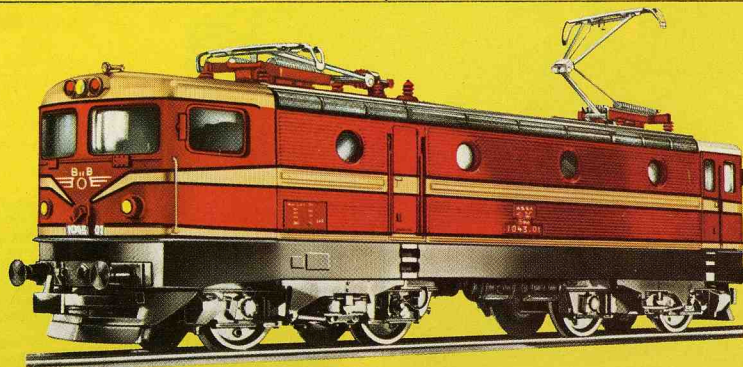
**3035**



**3036**



**3041 NEW**



**3038**  
French high-power  
electric locomotive

*The French prototype of our model 3038 runs on certain stretches of the French railways at a maximum speed of 100 mph. The locomotives of Class BB 9200 have four traction motors developing together 5500 HP. They weigh 80 tons.*

**3038 Electric locomotive** · A model of the 0-4-4-0 Class BB 9200 locomotive of the French Railways (Société Nationale de Chemins de Fer Français or SNCF) · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · 2 working headlights at each end · Switch lever for selecting operation from the overhead line or the track contacts · 2 spring-loaded pantographs on roof · Turquoise metal body · Fixed buffer beams · Coupling hook with advance uncoupler at each end · 7" long over buffers

⊙ = 7153    🚂 = 7164    🚝 = 60015

**3035**  
Italian  
electric locomotive

**3035 Electric locomotive** · A model of the Italian State Railways' 0-4-4-0 Class E 424 locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · 2 working headlights at each end · Switch lever for selecting operation from the overhead line or the track contacts · 2 spring-loaded pantographs on roof · Brown metal body · Fixed buffer beams · Coupling hook with advance uncoupler at each end · 6<sup>7</sup>/<sub>8</sub>" long over buffers

⊙ = 7153    🚂 = 7164    🚝 = 60015

**3036**  
Austrian  
electric locomotive

*The Austrian Class 1141 electric locomotive is in service mainly in regions where the conditions are favorable as regards gradients and curves. The locomotive, which is used for mixed traffic, weighs 80 tons, develops 3400 HP, and has a top speed of 69 mph.*

**3036 Electric locomotive** · A model of the Austrian State Railways' 0-4-4-0 Class 1141 locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · 2 working headlights at each end · Switch lever for selecting operation from overhead wire or the track contacts · 2 spring-loaded pantographs on roof · Green metal body · Fixed buffer beams · Coupling hook with advance uncoupler at each end · 6<sup>7</sup>/<sub>8</sub>" long over buffers

⊙ = 7153    🚂 = 7164    🚝 = 60015

**3041 NEW**  
Austrian State Railways'  
multipurpose locomotive

*After extensive trial runs with this locomotive which was built by the Swedish firm ASEA, the Austrian State Railways acquired initially four of them. They were put into service under the designation class 1043. The 16<sup>2</sup>/<sub>3</sub> Hz AC picked up from the overhead line is converted into DC by thyristors. The 4 traction motors develop almost 5000 HP which give the 52 foot long engine, weighing 77.4 tons, a top speed of 84 mph.*

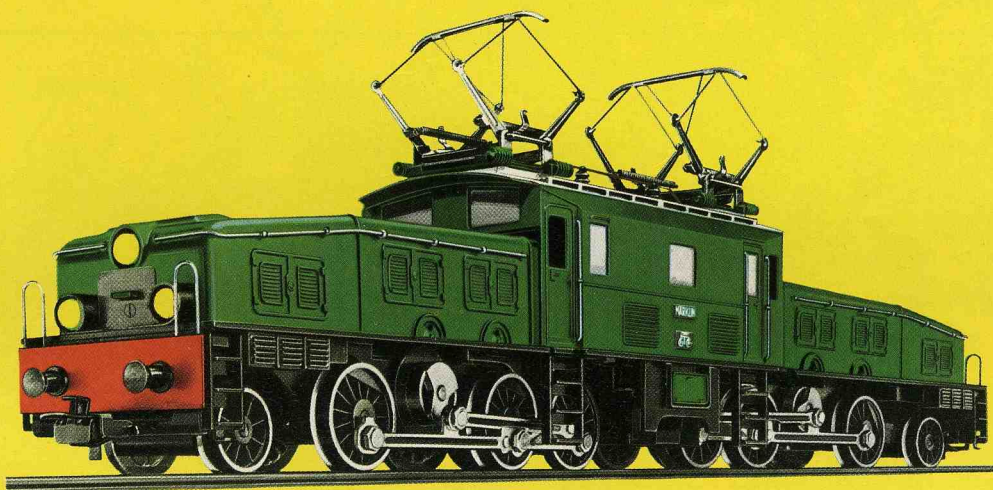
**3041 Electric multipurpose locomotive** · A model of the Austrian Federal Railways' 0-4-4-0 Class 1043 locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Switch signal for selecting operation from the overhead line or the track contacts · Red plastic body · Inset windows with plastic frames · 2 single-bar pantographs on roof · Die-cast zinc frame with fixed buffer beams · Coupling hook at each end · 6<sup>7</sup>/<sub>8</sub>" long over buffers

⊙ = 7153    🚂 = 7164    🚝 = 60015

## 3050



## 3015



### 3050

#### The Swiss Federal Railways' powerful multi-purpose locomotive

*The Swiss Federal Railways ordered the Ae 6/6 for international passenger and express freight service. The locomotive weight of 120 tons and the 6000 HP developed by its six motors give it enormous starting and climbing power. The top speed is 80 mph. With all its giant power, it still has a particularly stylish appearance, which is reason enough for us to model it most accurately.*

**3050 Electric multi-purpose locomotive** · A model of the Swiss Federal Railways' 0-6-6-0 Class Ae 6/6 locomotive · 3 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Switch lever for selection of operation from the overhead wire or the track contacts · 2 spring-loaded pantographs on roof · Green metal body · Fixed buffer beams · Silver-coloured roof · Copied from the "Berne Canton" locomotive · Coupling hook at each end · 77/8" long · Crests of the other Swiss cantons are supplied with this locomotive

⊙ = 7153   ⊞ = 7164   ⊚ = 60015

### 3015

#### Swiss heavy electric freight locomotive "Crocodile"

*This giant Swiss electric freight locomotive Be 6/8 on its eight axles, a real "King of the Mountains" is nicknamed "The Crocodile". It is undoubtedly the Swiss Railways' most impressive locomotive.*

**3015 Electric freight locomotive** · A model of the Swiss Federal Railways' 2-6-6-2 Series Be 6/8 (Crocodile) locomotive · 6 driven axles · 2 rubber tires to increase pulling power · Because of its articulated construction, it can negotiate standard curves with ease · Reversing by remote control · Three working headlights at each end with automatic change-over · Switch lever for selecting operation from the overhead wire or the track contacts · 2 spring-loaded pantographs on roof · Green metal body · Automatic coupling with advance uncoupling (RELEX) at each end · 10 1/4" long over buffers

⊙ = 7153   ⊞ = 7175   ⊚ = 60000



## 3055

### Electric locomotive of the Netherland Railways



**3055 Electric locomotive** · A model of the 0-6-6-0 Class 1200 locomotive of the Netherland Railways · 3 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · 3 working headlights on each end · Switch lever for selecting operation from the overhead line or the track contacts · Grey and yellow

metal body · Fixed buffer beams · 2 spring-loaded pantographs on roof · Inset windows with plastic frames · Coupling hook at each end · 7<sup>3</sup>/<sub>4</sub>" long over buffers

⊙ = 7154     = 7164     = 60015

## 3043



### Interesting Swedish multi-purpose locomotive

*In these engines of very modern design, the power at 16<sup>2</sup>/<sub>3</sub> c/s taken from the overhead lines is converted by thyristors to DC which drives the four traction motors delivering a total of almost 5000 HP. The locomotive, almost 52 feet long over the buffers, weighs 76 t and reaches 84 mph.*



**3043 Electric multi-purpose locomotive** · A model of the Swedish State Railways' 0-4-4-0 Class Rc locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · 4 working lights at each end · Switch lever for selecting operation from the overhead line or the track contacts · Orange-coloured

plastic body · Inset windows with plastic frames · 2 spring-loaded pantographs on roof · Die-cast zinc frame with fixed buffer beams · Coupling hook at each end · 6<sup>7</sup>/<sub>8</sub>" long over buffers

⊙ = 7153     = 7164     = 60015

## 3030



### Swedish electric locomotive

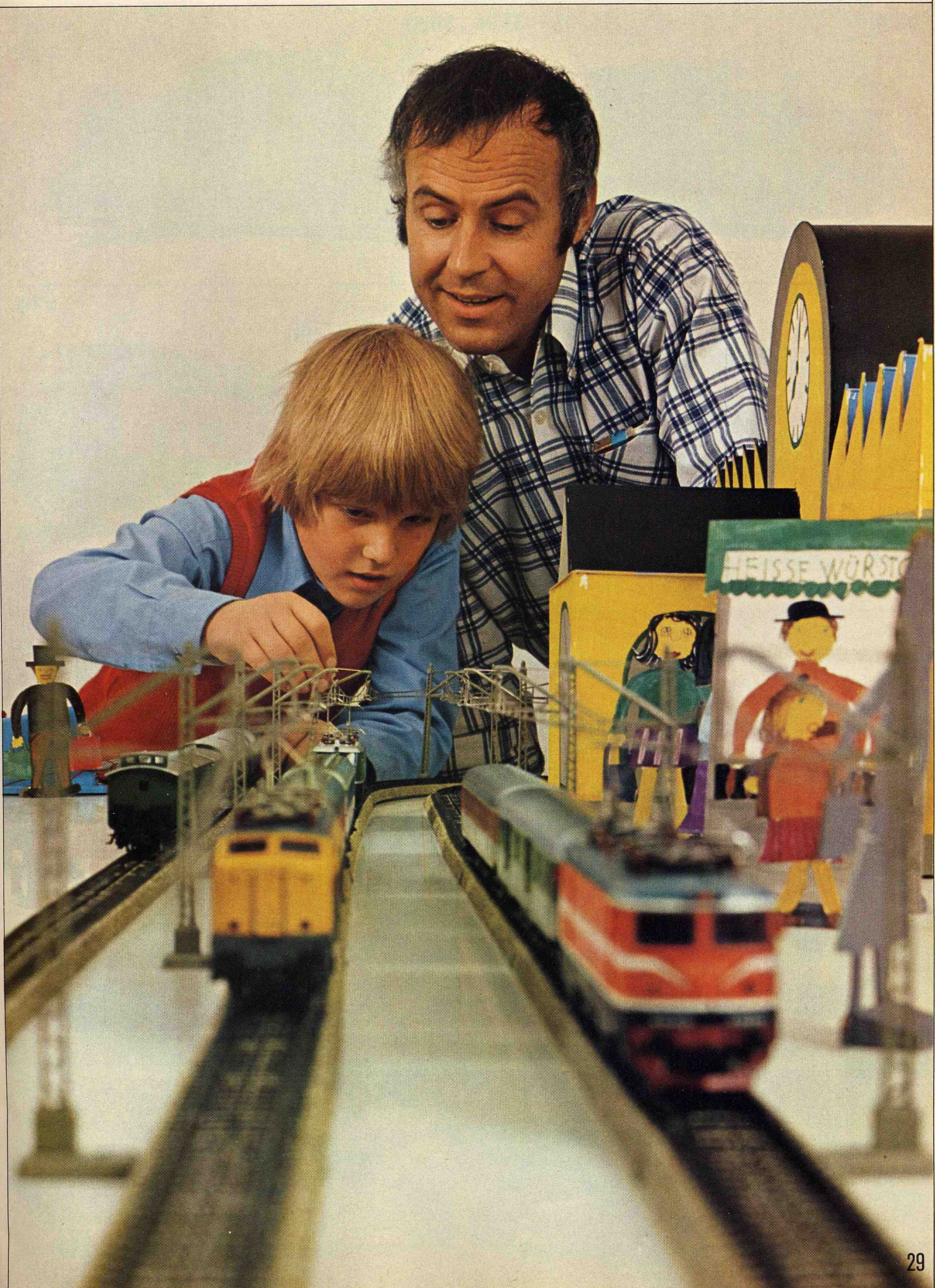
*The class Da is operated by the Swedish State Railways (Statens Järnvägar) as the standard electric locomotive for passenger and freight service. Since these locomotives have only one motor and the axle load at 15 or 17 t is low, they are fitted with connecting rod drive. This prevents the wheels of individual driven axles "running away" when starting from rest.*



**3030 Electric locomotive** · A model of the Swedish State Railways' 2-8-2 Class Da locomotive · 3 driven axles · Jackshaft driven through gears · 2 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Switch lever for selecting operation from the overhead line or the track

contacts · 2 spring-loaded pantographs on roof · Brown metal body · Fixed buffer beams · Die-cast zinc frame · Automatic coupling with advance uncoupler (RELEX) at each end · 5<sup>7</sup>/<sub>8</sub>" long over buffers

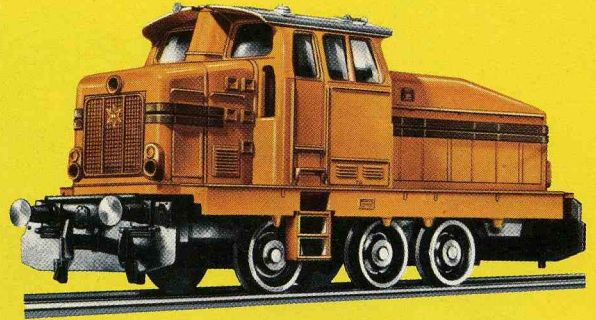
⊙ = 7153     = 7173     = 60015



3078





3080



## 3078 Diesel hydraulic locomotive "DHG 500"


*The "small" diesel locomotives with hydraulic transmission nevertheless measure about 40 feet long and have several hundred horsepower "under their hoods". The heavily loaded gears particularly, are especially robust, so that these locomotives can be used for long periods of time with an insignificant amount of servicing. These locomotives, which are typical of industrial locomotives (Märklin models 3078, 3080), have windows low down in the front side panels of the engineer's cab, allowing a clear view of the buffers for accurate switching.*

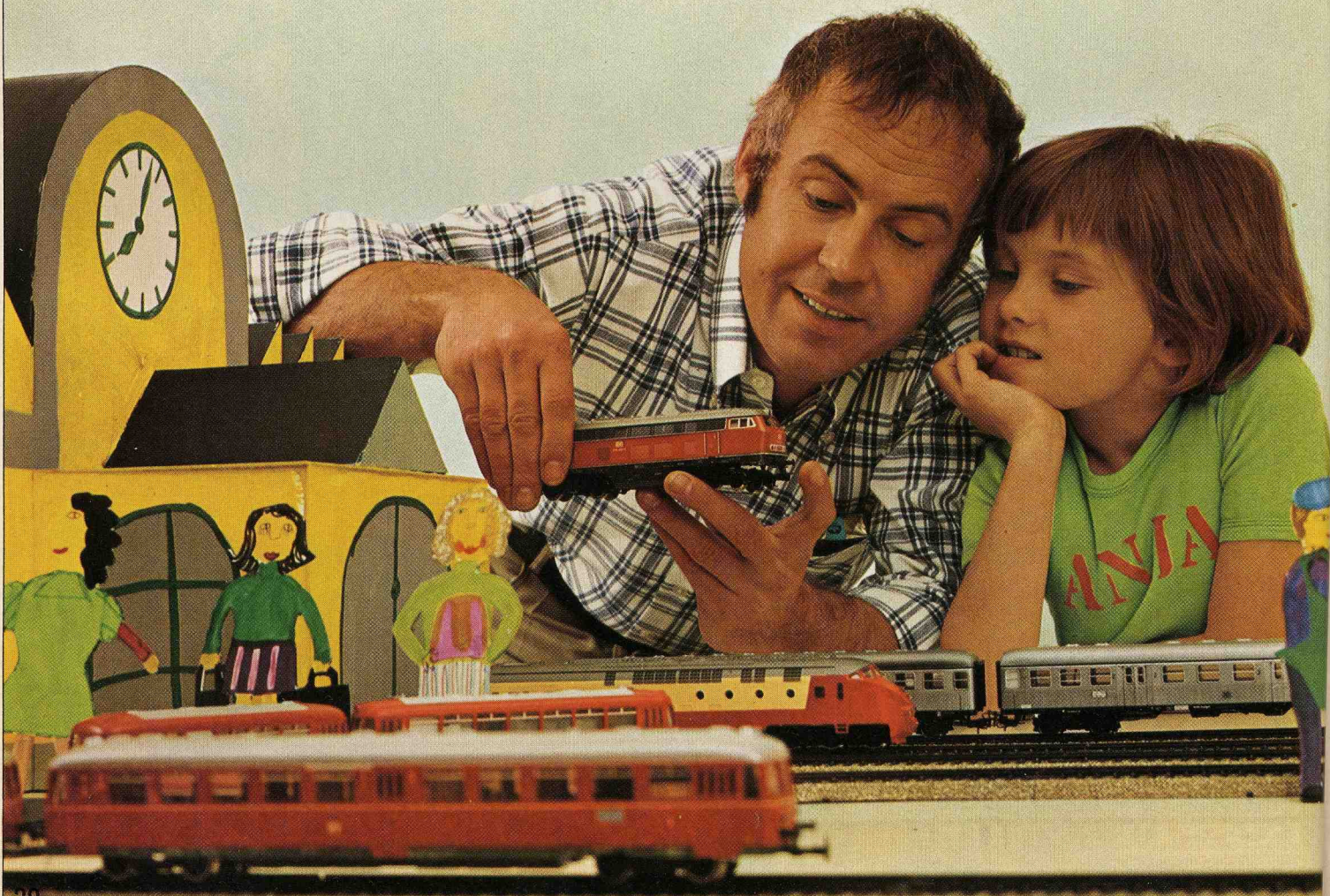
**3078 Diesel locomotive** · A model of a 0-6-0 industrial locomotive known as the DHG 500 type · 3 driven axles · 2 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Blue plastic body with decorative silver-coloured bands · Die-cast zinc frame · Coupling hook at each end · 4<sup>3</sup>/<sub>8</sub>" long over buffers

⊖ = 7154     = 7166     = 60015

## 3080 Industrial locomotive

**3080 Diesel locomotive** · A model of a 0-6-0 industrial locomotive · 3 driven axles · 2 rubber tires to increase pulling power · Reversing by remote control · Yellow plastic body with dark decorative bands · Coupling hook at each end · 4<sup>3</sup>/<sub>8</sub>" long over buffers

⊖ = 7154     = 7166





**3065**

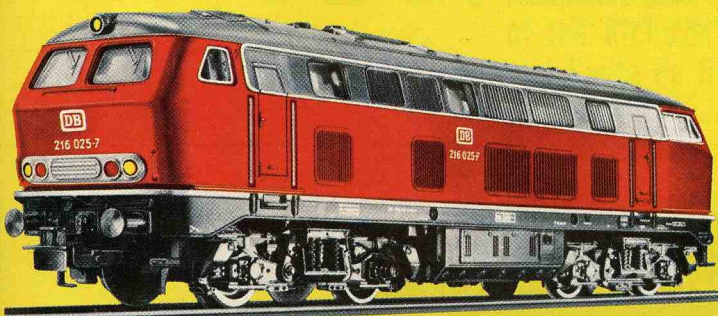
**3064**



**3072**



**3075**



**3021**



**3065**

## Diesel hydraulic switching locomotive "260" with TELEX coupling

**3065 Diesel locomotive** · A model of the German Federal Railways' 0-6-0 Class 260 locomotive · 3 driven axles · 2 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Red plastic body · Inset windows with plastic frames · Die-cast zinc frame · Märklin TELEX coupling at each end · 4<sup>3</sup>/<sub>4</sub>" long over buffers

⊖ = 7153   ⊞ = 7185   ⊚ = 60010

TELEX: see page 18

**3064**

## with coupling hooks

**3064 Diesel locomotive** · A model of the German Federal Railways' Class 260 locomotive · Similar to 3065 but without Märklin TELEX coupling · Coupling hook with advance uncoupler at each end

⊖ = 7153   ⊞ = 7185   ⊚ = 60010

**3075**

## Diesel locomotive "216"

*The class 216 diesel locomotive is used for mainline service over medium distances. With full fuel tank it weighs 79 tons. It develops 1900 HP and reaches a maximum speed of 75 mph.*

**3075 Diesel locomotive** · A model of the German Federal Railways' 0-4-4-0 Class 216 locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Red and grey plastic body · Grey roof · Inset windows with plastic frames and simulated windshield wipers · Die-cast zinc frame · Automatic coupling with advance uncoupler (RELEX) at each end · 7<sup>1</sup>/<sub>8</sub>" long over buffers

⊖ = 7154   ⊞ = 7164   ⊚ = 60015

**8375**



The same model as 3075, but for two-rail DC operation (see page 23)

**3072**

## Diesel hydraulic locomotive "212"

*The 212 is a multi-purpose diesel locomotive, 40 feet long and weighing 63.2 t in service order. The new types develop 1350 HP which are transmitted through universal drive shafts to the 4 axles arranged in two bogies. In order to use the tractive force of the powerful motor to meet requirements for passenger and freight service, a dual-ratio gear is provided which can be operated from the driver's cab.*

*In low gear the locomotive has the maximum tractive force but the top speed is then only 44 mph, while in high gear it reaches 65 mph.*

**3072 Diesel locomotive** · A model of the German Federal Railways' 0-4-4-0 Class 212 locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Die-cast zinc frame · Fixed buffer beams · Red plastic body · Narrow front and rear ends to scale · Inset windows with plastic frames · Automatic coupling with advance uncoupler (RELEX) at each end · 5<sup>1</sup>/<sub>2</sub>" long over buffers · A suitable positioning of the motor has enabled the front and rear ends of model 3072 to be kept narrow as on the original

⊖ = 7154   ⊞ = 7164   ⊚ = 60010

**3021**

## Diesel hydraulic express locomotive "220"

**3021 Diesel locomotive** · A model of the German Federal Railways' 0-4-4-0 Class 220 locomotive · 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Red and grey metal body · Fixed buffer beams · Silver-grey roof · Coupling hook with advance uncoupler at each end · 8<sup>1</sup>/<sub>4</sub>" long over buffers

⊖ = 7154   ⊞ = 7183   ⊚ = 60010

## 3066


### Belgian Railways' multi-purpose diesel locomotive

The Belgian multi-purpose diesel locomotive, Class 204, has diesel-electric drive. Developing 1750 HP it is engaged in hauling light freight trains as well as local and express passenger trains, reaching a maximum speed of about 87 mph.



**3066 Diesel locomotive** · A model of the Belgian State Railways (SNCB) 0-6-6-0 Type 204 locomotive · 3 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Green metal body · Fixed buffer beams · Black roof ·

Inset windows with plastic frames · Coupling hook at each end · 8" long over buffers

⊙ = 7154     = 7164    ⊕ = 60015

## 3067


### Danish Railways' diesel electric locomotive

The Danish State Railways Series My 1100 multi-purpose locomotive has diesel-electric drive, i. e., the current for the traction engines situated on the axles is produced by generators on the locomotive, the generators being driven by diesel engines. Amongst other services, they haul international expresses along the "Vogelflug" line (the line "as the crow flies"). This type of locomotive is very similar to the Belgian type 204.



**3067 Diesel locomotive** · A model of the Danish State Railways (DSB) 0-6-6-0 type My 1100 locomotive · 3 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Red and brown metal body · Fixed buffer

beams · Grey roof · Inset windows with plastic frames · Coupling hook at each end · 8" long over buffers

⊙ = 7154     = 7164    ⊕ = 60015

## 3068


### Norwegian Railways' multi-purpose diesel electric locomotive

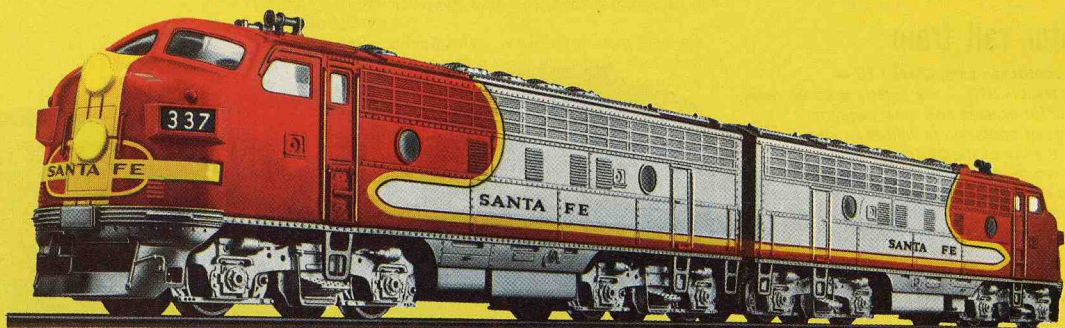
Diesel operation is being used increasingly on the Norwegian State Railways' lines which are not yet electrified. The locomotive on which our model is based is known as type Di 3. Its 1900 HP motor gives it a top speed of 63 mph. Apart from the roof fittings, its relationship to the Belgian type 204 and the Danish type My 1100 is unmistakable.



**3068 Diesel locomotive** · A model of the Norwegian State Railways (NSB)'s 0-6-6-0 · Type Di 3 locomotive · 3 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Red and brown metal body · Fixed buffer

beams · Silver-coloured roof and roof fittings · Inset windows with plastic frames · Coupling hook at each end · 8" long over buffers

⊙ = 7154     = 7164    ⊕ = 60015



## 3060

### American "F 7" Diesel locomotive of the Atchison Topeka and Santa Fé Railway

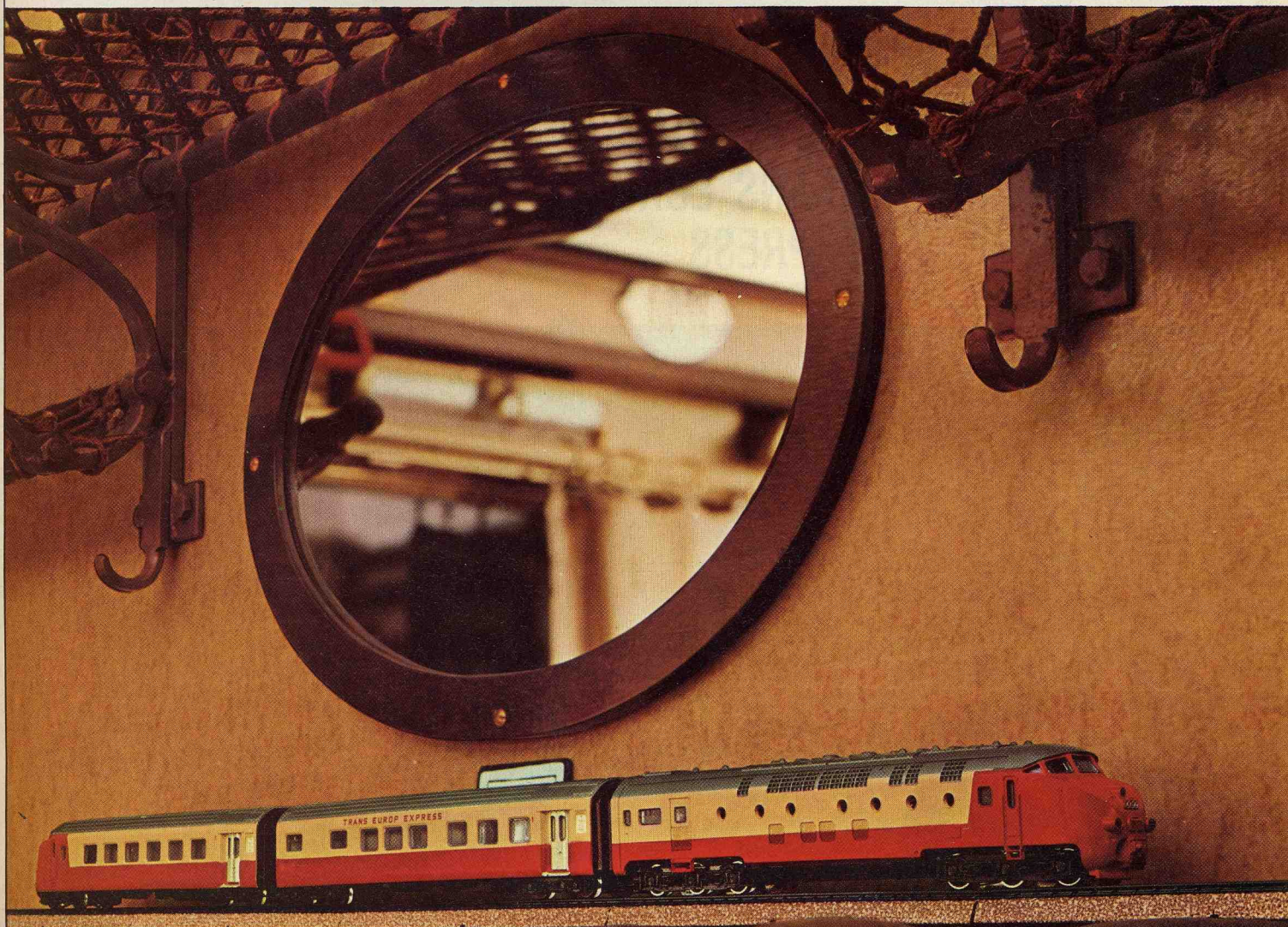
**3060 Diesel locomotive** · A model of the American Type F 7 0-4-4-0 locomotive, built by the Electro-motive Division of General Motors for the Atchison Topeka and Santa Fé Railway · 2 driven axles · 4 rubber tires to increase pulling power · Scale model lighting · Red and silver-coloured metal body · Coupling hook with advance uncoupler at cab end · Automatic coupling with advance uncoupler (RELEX) at rear end · 6<sup>7</sup>/<sub>8</sub>" long

⊙ = 7154    🚞 = 7185    🔌 = 60015

## 4060

**4060 Supplementary section, unpowered** · Matching the diesel locomotive 3060 · Scale model lighting · Red and silver-coloured metal body · Coupling hook with advance uncoupler at cab end · 6<sup>7</sup>/<sub>8</sub>" long

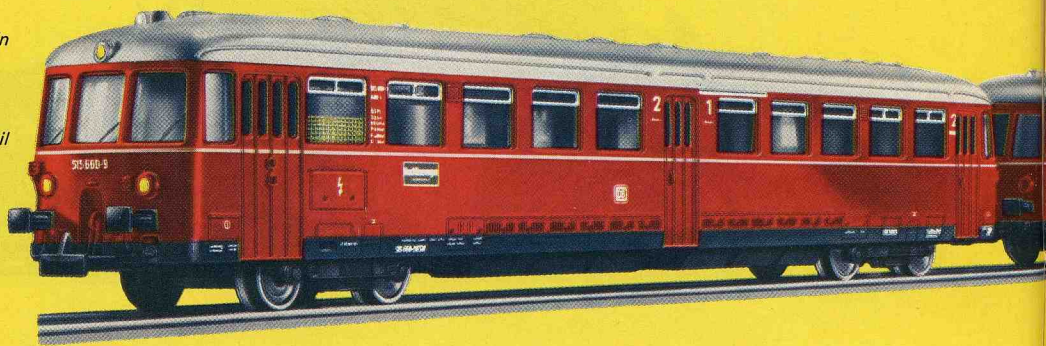
🚞 = 7166    🔌 = 60015



## 3076

### Electric motor rail train

The battery driven motor rail cars, Class 515 — usually coupled to trailers 815 — are mostly used on main and secondary lines for express and local passenger services. Their range of operation is limited to about 200 miles by the capacity of the batteries carried as the source of power. Two motors, each developing 270 HP, give the train a top speed of about 60 mph. The motor rail car is 46 ft. in length and weighs 56 tons in service. The trailer is the same length and weighs 23 tons.



## 3071

## 4071

### "TEE" Express train

Five complete trains of the Netherlands-Swiss TRANS-EUROP-EXPRESS are now in service, operating between Zurich and Amsterdam as the TEE "Edelweiss" and between Zurich and Munich as the TEE "Bavaria". Mostly they consist of 4 coaches. Three powerful diesel engines, developing together 2300 HP, give the train a speed of 87 1/2 mph. The windows in these trains do not open, since all coaches are fully air conditioned. As on all TEE trains there are only first-class cars, in which are 114 seats. The restaurant section has room for 32 diners. The TEE train illustrated consists of the 3-part unit 3071 which has been supplemented by the coach 4071 to bring it up to the make-up customary on the railways. The length of the 4-unit train is 37 3/4".



## TRANS EUROP EXPRESS

**3071 Three-unit TEE express train** · A model of the Netherlands-Swiss TRANS-EUROP-EXPRESS train consisting of a locomotive, a combined first-class and restaurant car and a spacious first-class compartment car with engineers compartment · The model is 27 1/2" long

Locomotive: 3 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Mat black die-cast zinc frame · Plastic body in TEE colours beige and red · Grey roof · Inset windows with plastic frames




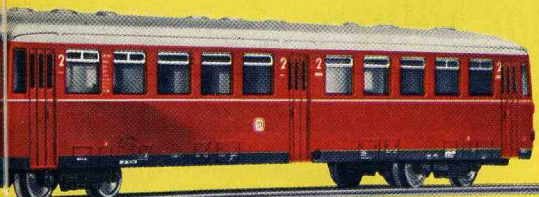
**3076 Two-unit electric rail train** · A model of the German Federal Railways' battery-powered multiple unit 515/815

Motor rail car: 2 driven axles · 4 rubber tires to increase pulling power · Reversing by remote control · Red plastic body · Interior fittings · Interior lighting · Inset windows with plastic frames · Aluminium-coloured roof

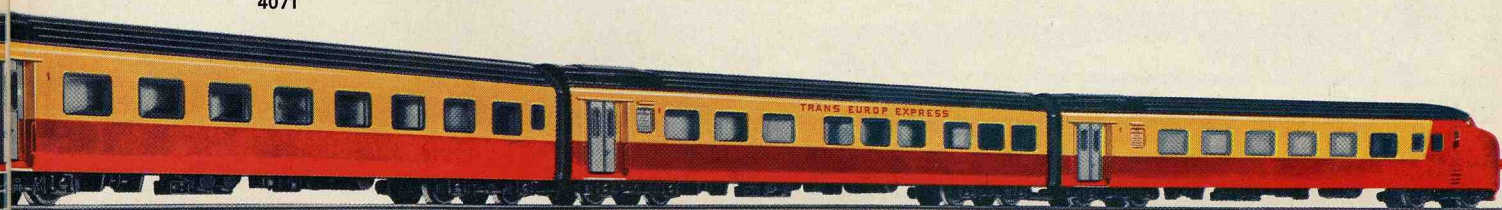
Trailer: connected to the motor rail car by permanent coupling · Red plastic body · Interior fittings · Interior lighting · Inset windows with plastic frames · Aluminium-coloured roof

Motor rail car and trailer each have three headlights working when running forward changing automatically to two red lights when reversed · Coupling hook at each end of the train · 19 1/2" long over buffers

⊙ = 7154     = 7164    ⊕ = 60015 w, 60001 r




4071



The other two cars: each with two trucks like the originals · Plastic body in the TEE colours beige and red · Grey roof · Inset windows with plastic frames

Special couplings connect the 3 units very close together · Specially tightly closing covers on the passage between cars · Three headlights and two red taillights at each end of the train lighting up to suit the direction of the train · A current pickup shoe at each end of the train, the front one in the direction of travel picking up the current

⊙ = 7154     = 7164    ⊕ = 60015 w, 60001 r


**4071 TEE First class compartment coach** · 2 trucks true to the original · Grey roof · Inset windows with plastic frames · Movable covers for the corridor between coaches at both ends · Special coupling fitting TEE train only · Length 9"

**3016**


**4018**

## Railbus with trailer

**3016 Railbus** · A model of the German Federal Railways 795 unit · 1 driven axle · 2 rubber tires to increase pulling power · Reversing by remote control · Three working headlights at each end · Interior lighting · Red plastic body · Die-cast zinc frame · Symmetrical special coupling at each end for close-coupling the cars together · 5 7/8" long over buffers

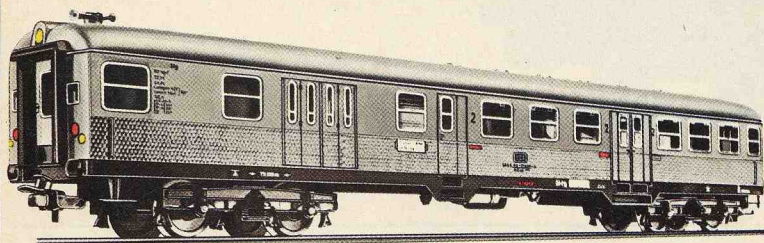
⊙ = 7153     = 7164    ⊕ = 60010

**4018 Railbus trailer** · A model of the German Federal Railways' 995 unit · Red taillights at each end · Interior lighting · Red plastic body · Symmetrical special coupling to fit railbus only · 4 3/4" long over buffers

 = 7175    ⊕ = 60010





### German Federal Railways' local passenger coaches with interior fittings



#### 4081 with baggage compartment and driver's cab

4081 Local passenger coach with baggage compartment and driver's cab · 2nd class · A model of the German Federal Railways' type BDnf · Stainless

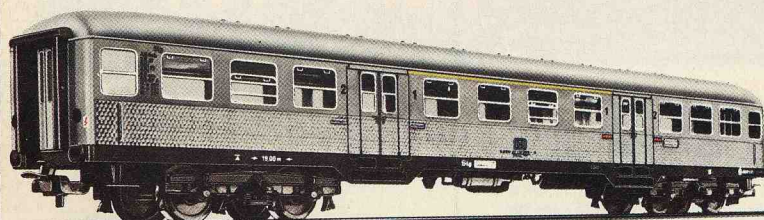
steel coloured coach body with peacocks-eye pattern. **Interior fittings** · Windows with plastic frames · Roof with dummy signal horn · Lights at the driver's cab end which change over automatically from three headlights to two red taillights when direction of travel is reversed · 9 1/2" long · Arranged for interior lighting set 7077 (see page 65)

 = 7175     = 60000



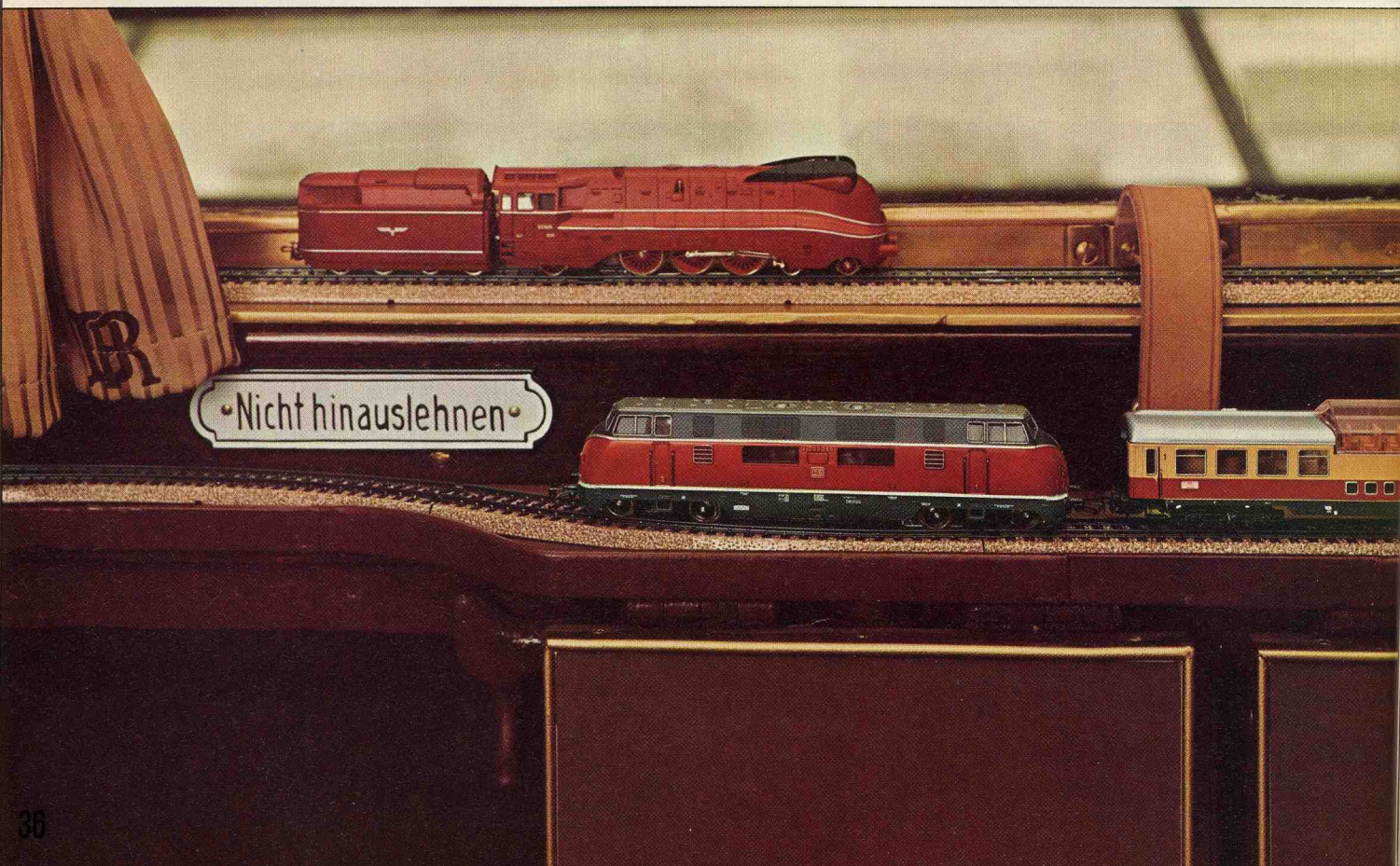
#### 4082

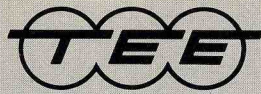
4082 Local traffic coach · 2nd class · A model of the German Federal Railways' type Bnb · Stainless steel coloured coach body with peacocks-eye pattern · **Interior fittings** · Windows with plastic frames · 9 1/2" long · Arranged for interior lighting set 7077 and current pick-up shoe 7198 (see page 65)



#### 4083

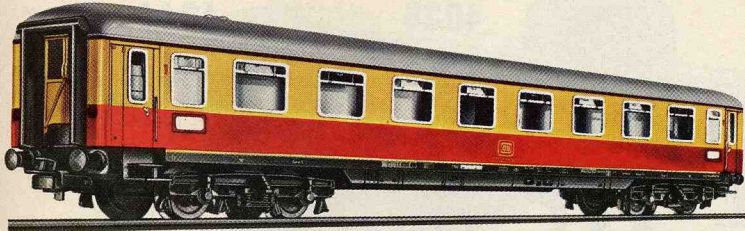
4083 Local passenger coach · 1st and 2nd class · A model of the German Federal Railways' type ABnb · Stainless steel coloured coach body with peacocks-eye pattern · **Interior fittings** · Windows with plastic frames · 9 1/2" long · Arranged for interior lighting set 7077 and current pick-up shoe 7198 (see page 65)





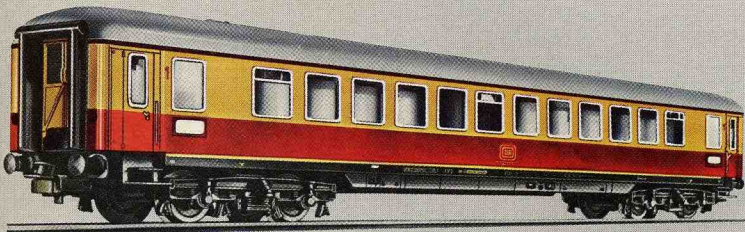
## TEE coaches with interior fittings

*We illustrate here the "show-pieces" of the German Federal Railways, the TEE coaches. They are the best equipped, the most comfortable and certainly the most handsome of the Federal Railways' coaches.*



### 4085

**4085 TEE compartment coach** · 1st class · A model of the German Federal Railways' type Avm · Windows inset in plastic frames · **Interior fittings** with side corridor · 9 1/2" long · Arranged for interior lighting set 7320 (see page 65)



### 4086

**4086 TEE open-interior coach** · 1st class · A model of the German Federal Railways' type Apm · Windows inset in plastic frames · **Interior fittings**, seating arrangement 1—2 with central gangway · 9 1/2" long · Arranged for interior lighting set 7320 (see page 65)



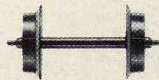
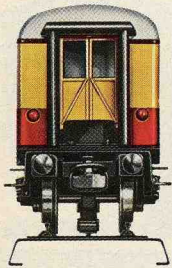
### 4087

**4087 TEE restaurant car** · A model of the German Federal Railways' type WRm · Windows inset in plastic frames · **Interior fittings**, divided up into kitchen and restaurant compartments · 9 1/2" long · Arranged for interior lighting set 7320 (see page 65)



### 4088

**4088 TEE bar car** · A model of the German Federal Railways' type ARDm · Windows inset in plastic frames · **Interior fittings**, divided up into bar, passenger and train crew's compartments · 9 1/2" long · Arranged for interior lighting set 7320 (see page 65)



### 4089

**4089 TEE compartment coach** · Similar to coach 4085, but with current pick-up, fittings for the interior lighting and taillights

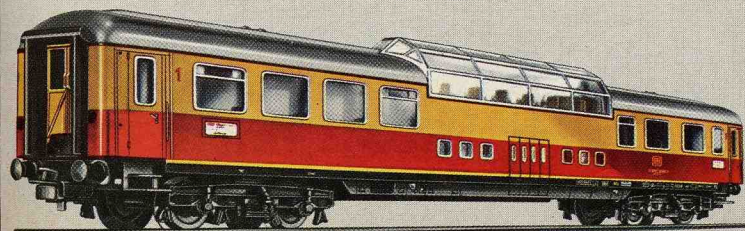
= 7175

= 60015

### 7589

Märklin — HAMO for two-rail DC operation

**7589 Set of wheels** · Comprising 4 axle sets · For converting the TEE coaches for two-rail DC operation

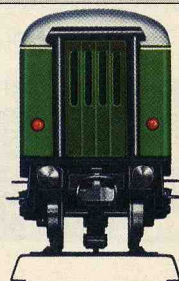


### 4090

**4090 TEE observation car** · 1st class · A model of the German Federal Railways' type ADm · Windows inset in plastic frames · **Interior fittings** · Observation dome of transparent plastic · 9 1/2" long · Arranged for interior lighting set 7322 (see page 65)

## German Federal Railways' express coaches

The bodies of our express coaches are made of metal or plastic, with inset plastic window frames and panes. Door recesses and other important details together with the fine indelible lettering, are copied faithfully to scale from the original. The mat finish makes them look completely realistic. Everything is prepared for the interior lighting. The simulated trucks of Minden-Deutz design have movable side frames which even out any irregularities in the track so that the coaches run safely and very quietly. Simulated rubber beading or bellows are fitted where the coaches join up. Automatic coupling with advance uncoupler (RELEX).



**4026**

**4044**

**4026 Express baggage car** · A model of the German Federal Railways' type D ym · Windows inset in plastic frames · 9 1/2" long · Arranged for interior lighting set 7077 and current pick-up shoe 7198 (see page 65)

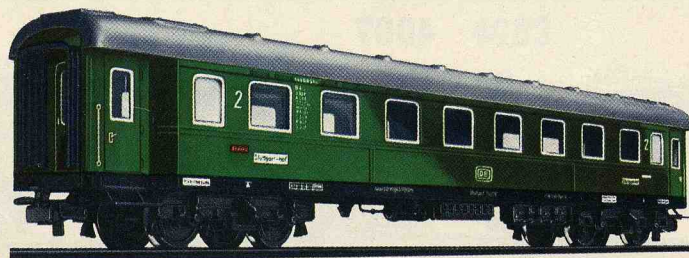
**4044 Express baggage car** · Similar to 4026, but with taillights and current pick-up shoe

= 7175    = 60015



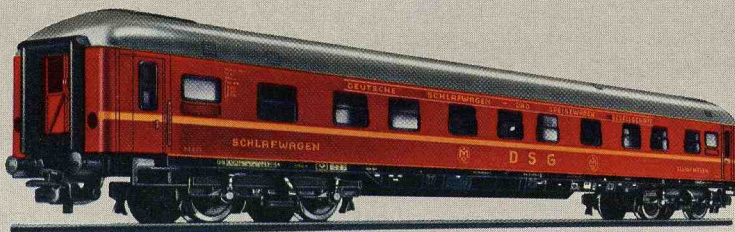
**4029**

**4029 Express sleeping car** · A model of the International Sleeping Car Co.'s type ISG No. 4581 · Windows inset in plastic frames · 9 1/2" long · Arranged for interior lighting set 7077 and current pick-up shoe 7198 (see page 65)



**4037**

**4037 Express coach** · 2nd Class, one of the older designs · A model of a type used by the German Federal Railways · Windows with plastic panes · 8 5/8" long · Arranged for interior lighting set 7077 and current pick-up shoe 7198 (see page 65)



**4064**

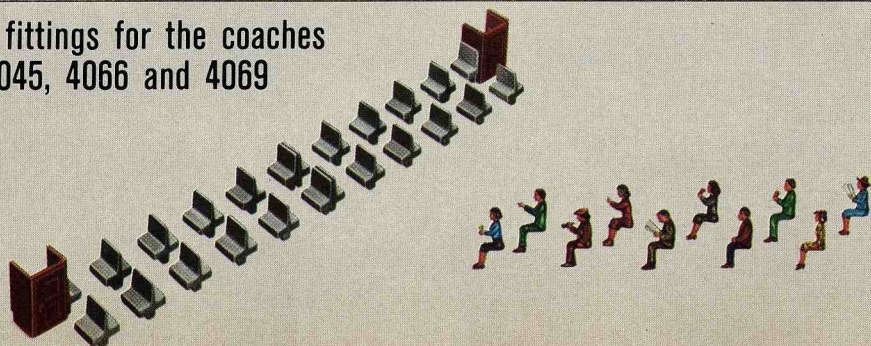
**4064 Express sleeping car** · 1st and 2nd Class · A model of the German sleeping and Restaurant Car Co.'s type WL AB üm, Series 33 200 · Windows inset in plastic frames · 9 1/2" long · Arranged for interior lighting set 7320 (see page 65)



**4078**

**4078 Express coach** · 1st class with restaurant compartment · A model of the German Federal Railways' type AR üm 65 · 1st class compartment finished in blue on the outside, the restaurant compartment in red · Windows inset in plastic frames · 9 1/2" long · Arranged for interior lighting set 7320 (see page 65)

## Interior fittings for the coaches 4037, 4045, 4066 and 4069



**0225**

**0226**

**0225 Set of interior fittings** for the express coaches, including 18 single color double seats, 6 single seats and 2 toilet compartments

**0226 Set of 10 brightly painted passenger figures** to supplement the interior fittings

The interior fittings and figures are made of finely detailed plastic, the figures being hand painted. Illustrated installation instructions are included with each set.





**4051**

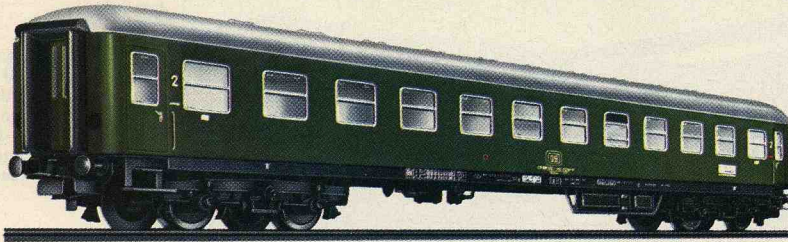
**4053**

**4051 Express coach** · 1st class · A model of the German Federal Railways' type A üm · **Interior fittings** · Windows inset in plastic frames · 9½" long · Arranged for interior lighting set 7077 and current pick-up shoe 7198 (see page 65)

**4053 Express coach** · Similar to 4051 but with taillights and current pick-up shoe

☞ = 7175

☞ = 60015



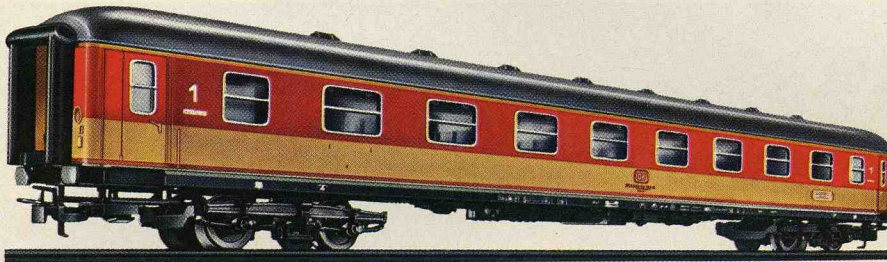
**4052**

**4052 Express coach** · 2nd class · A model of the German Federal Railways' type B üm · **Interior fittings** · Windows inset in plastic frames · 9½" long · Arranged for interior lighting set 7077 and current pick-up shoe 7198 (see page 65)



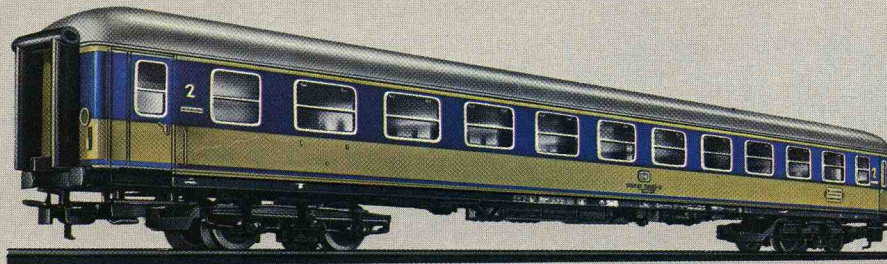
**4054**

**4054 Express restaurant car** · A model of the German Federal Railways' type WR üm 132 · **Interior fittings**, divided into kitchen and restaurant compartments · Windows inset in plastic frames · 9½" long · Arranged for interior lighting set 7320 (see page 65)



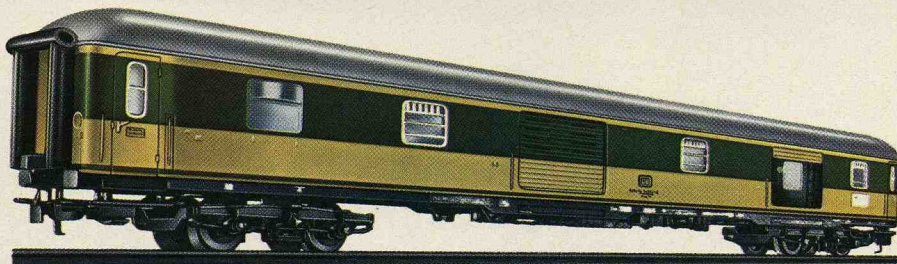
**4091**

**4091 Express coach** · 1st class · A model of the German Federal Railways' type A üm 201 · Plastic body · **Interior fittings** · Windows inset in plastic frames · 10⅝" long · Arranged for interior lighting set 7324 (see page 65)



**4092**

**4092 Express coach** · 2nd class · A model of the German Federal Railways' type B üm 234 · Plastic body · **Interior fittings** · Windows inset in plastic frames · 10⅝" long · Arranged for interior lighting set 7324 (see page 65)



**4093**

**4093 Express baggage car** · A model of the German Federal Railways' type D üm 902 · Plastic body · **Movable roller shutters** on each side · Windows inset in plastic frames · 10⅝" long · Arranged for interior lighting set 7324 (see page 65)



**4094**

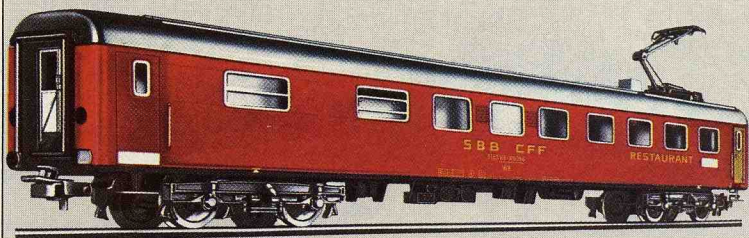
**4094 Express restaurant car** · A model of the German Federal Railways' type WR ümh 132 · Plastic body · **Interior fittings**, divided into kitchen and restaurant compartments · Windows inset in plastic frames · 10⅝" long · Arranged for interior lighting set 7324 (see page 65)

Light weight express  
coaches of the  
Swiss Federal Railways



**4066**

**4066 Passenger coach** · A model of the Swiss Federal Railways' 1st class coach of Series A 2500 · Windows inset in plastic frames · Roof with longitudinal ribs and simulated ventilators · 9 1/2" long · Arranged for interior lighting set 7320 (see page 65)



**4068**

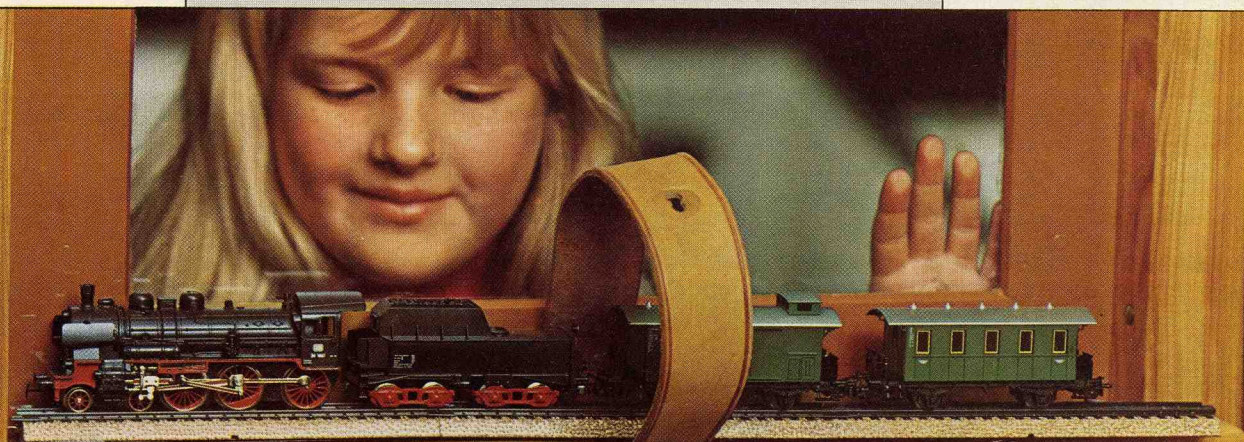
**4068 Express restaurant car** · A model of the Swiss Federal Railways' type RIC restaurant car · Windows inset in plastic frames · Screwed-on roof with longitudinal ribs · Single-bar pantograph on roof · 9 1/2" long · Arranged for interior lighting set 7077 (see page 65)

Italian State Railways'  
express coach



**4063**

**4063 Express coach** · 1st class · A model of the Italian State Railways' type FS Az · Interior fittings · Windows inset in plastic frames · 9 1/2" long · Arranged for interior lighting set 7077 and current pick-up shoe 7198 (see page 65)

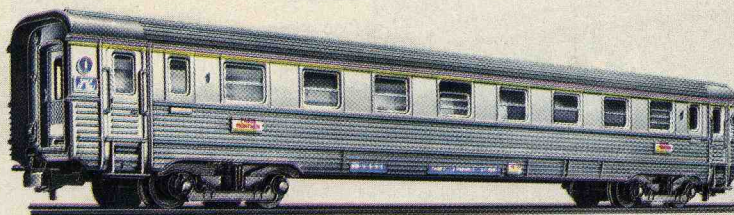
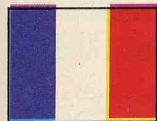


Nicht öffnen  
vor der Zughält

Zu

Offen

Express coach  
of the French  
State Railways



**4076** **NEW**

**4076 Express coach** · 1st class · A model of the French State Railways' (SNCF) stainless steel type A8myfi · Plastic body · Interior fittings · Windows inset in plastic frames · 9 1/2" long · Arranged for interior lighting set 7197 (see page 65)

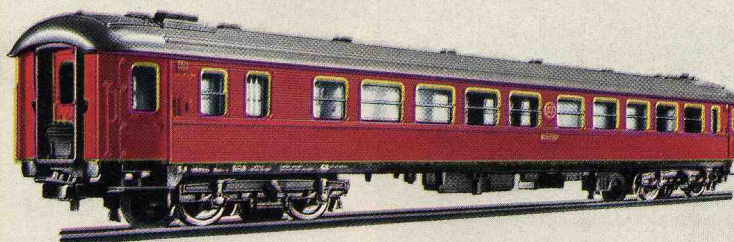
Express coach  
of the Netherlands  
Railways



**4049**

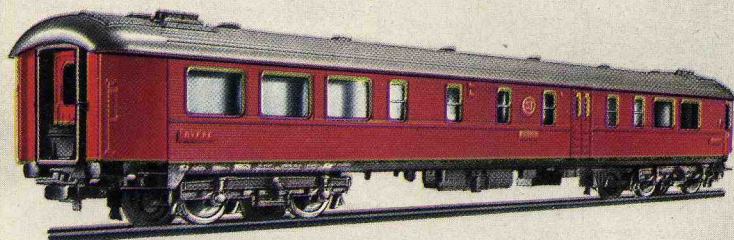
**4049 Express passenger coach** · 2nd class · A model of the Netherlands Railways' type B 6600 · Windows inset in plastic frames · 9 1/2" long · Arranged for interior lighting set 7320 (see page 65)

Express coaches  
of the Swedish  
State Railways



**4072**

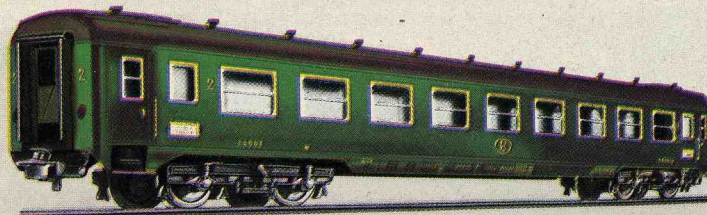
**4072 Express coach** · 2nd class · A model of the Swedish State Railways' type Bo 1 · Plastic body · Windows inset in plastic frames · 9 3/8" long · Arranged for interior lighting set 7197 (see page 65)



**4073**

**4073 Express restaurant car** · A model of the Swedish State Railways' type RBo 2 · Plastic body · Windows inset in plastic frames · 9 3/8" long · Arranged for interior lighting set 7197 (see page 65)

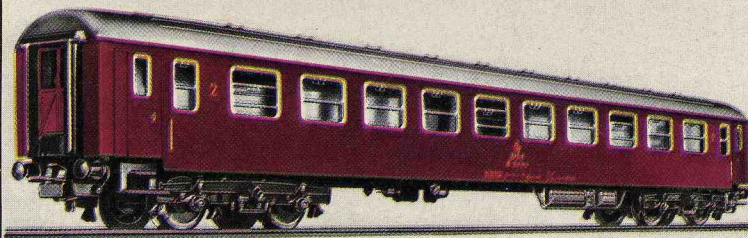
Express coach  
of the Belgian  
State Railways



**4069**

**4069 Express couchette car** · 2nd class · A model of the Belgian State Railways' (SNCB) type RIC couchette car · Roof with simulated ventilators · Windows inset in plastic frames · 9 1/2" long · Arranged for interior lighting set 7320 (see page 65)

Express coach  
of the Danish  
State Railways



**4045**

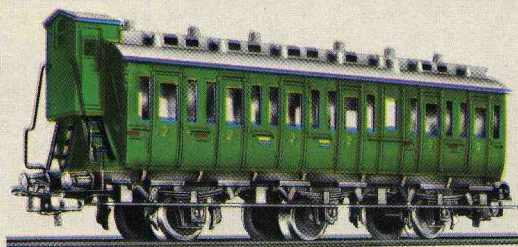
**4045 Express coach** · 2nd class · A model of the Danish State Railways' (DSB) type B 2300 · Windows inset in plastic frames · 9 1/2" long · Arranged for interior lighting set 7077 and current pick-up shoe 7198 (see page 65)

The passenger and express coaches on pages 40/41 are equipped with automatic coupling and advance uncoupler (RELEX).



### 4000

**4000 Passenger coach** · Platform and entrance at each end · Open windows ·  $4\frac{3}{8}$ " long

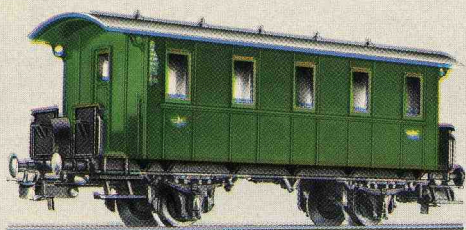


### 4004

**4004 Compartment coach without brakeman's cab** · Sides opening into 6 compartments · Windows glazed with cellophane plastic ·  $5\frac{1}{4}$ " long · Arranged for interior lighting set 7074 (see page 65)

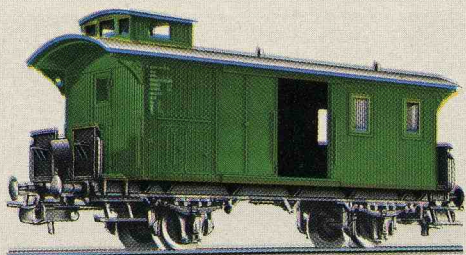
### 4005

**4005 Compartment coach with brakeman's cab** · Sides opening into 6 compartments · Windows glazed with cellophane plastic ·  $5\frac{1}{4}$ " long · Arranged for interior lighting set 7074 (see page 65)



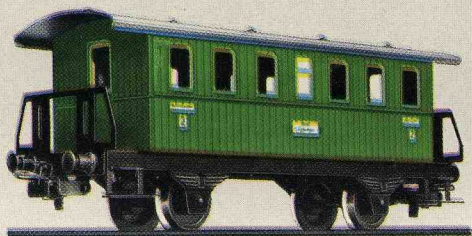
### 4007

**4007 Passenger coach** · A model of a private railroad coach · Platform and entrance at each end · Plastic body · Simulated roof ventilators · Windows inset in plastic frames · **Interior fittings** ·  $4\frac{1}{4}$ " long · Arranged for interior lighting set 7323 (see page 65)



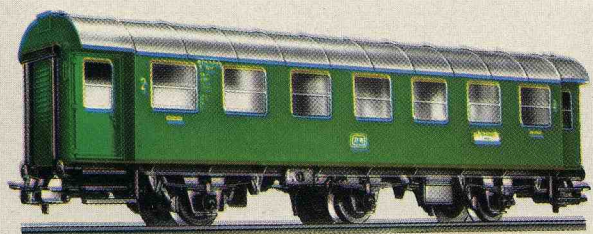
### 4008

**4008 Baggage car** · A model of the Stuttgart Railways' private car No. 0116911 · Platform and entrance at each end · Plastic body · Simulated ventilators and superstructure for conductor's cab · Windows inset in plastic frames ·  $4\frac{1}{4}$ " long · Arranged for interior lighting set 7323 (see page 65)



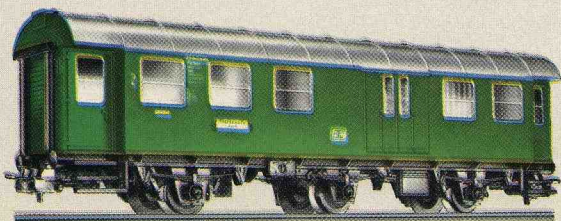
### 4040

**4040 Passenger coach** · Platform and entrance at each end · Open windows ·  $4\frac{3}{8}$ " long



### 4079

**4079 Passenger coach** · A model of the German Federal Railways' type B3yge · Plastic body · Windows inset in plastic frames · Simulated rubber beading · 6" long · Arranged for interior lighting set 7074 (see page 65)



### 4080

**4080 Passenger coach with baggage compartment** · A model of the German Federal Railways' type BD3yge · Plastic body · Windows inset in plastic frames · Simulated rubber beading · 6" long · Arranged for interior lighting set 7074 (see page 65)

Freight cars with plastic bodies and automatic coupling and advance uncoupler (RELEX, see page 44)

All the underframes of these cars are made of metal and painted mat black. All wheels are of die-cast zinc. The bodies are made of plastic. All lengths quoted are measured over the buffers.

## 4500

4500 Tank car · ARAL · 4" long



## 4501

4501 Tank car · ESSO · 4" long



## 4502

4502 Tank car · SHELL · 4" long



## 4503

4503 Low-sided car · 4" long



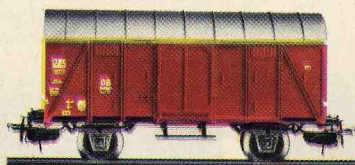
## 4504

4504 Low-sided car · Loaded with miniature automobiles · 4" long



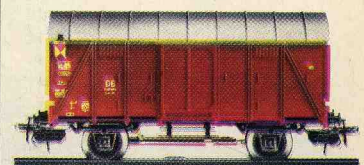
## 4505

4505 Box car · 4" long



## 4506

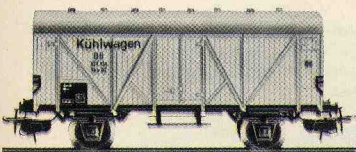
4506 Box car · Working taillights placed at side · Current pick-up shoe · 4" long



⊗ = 60010

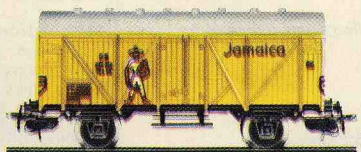
## 4508

4508 Refrigerator car · 4" long



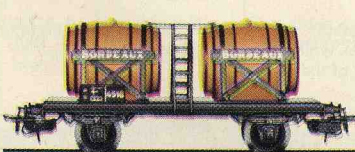
## 4509

4509 Banana car · 4" long



## 4510

4510 Wine car · 4" long



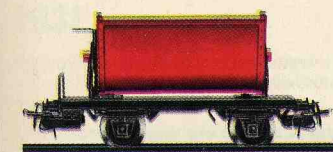
## 4511

4511 Pulverised coal car · 4" long



## 4513

4513 Dump car · Will dump to either side · With locking lever · 3 3/8" long



## 4514

4514 Low-sided car · 7 1/4" long



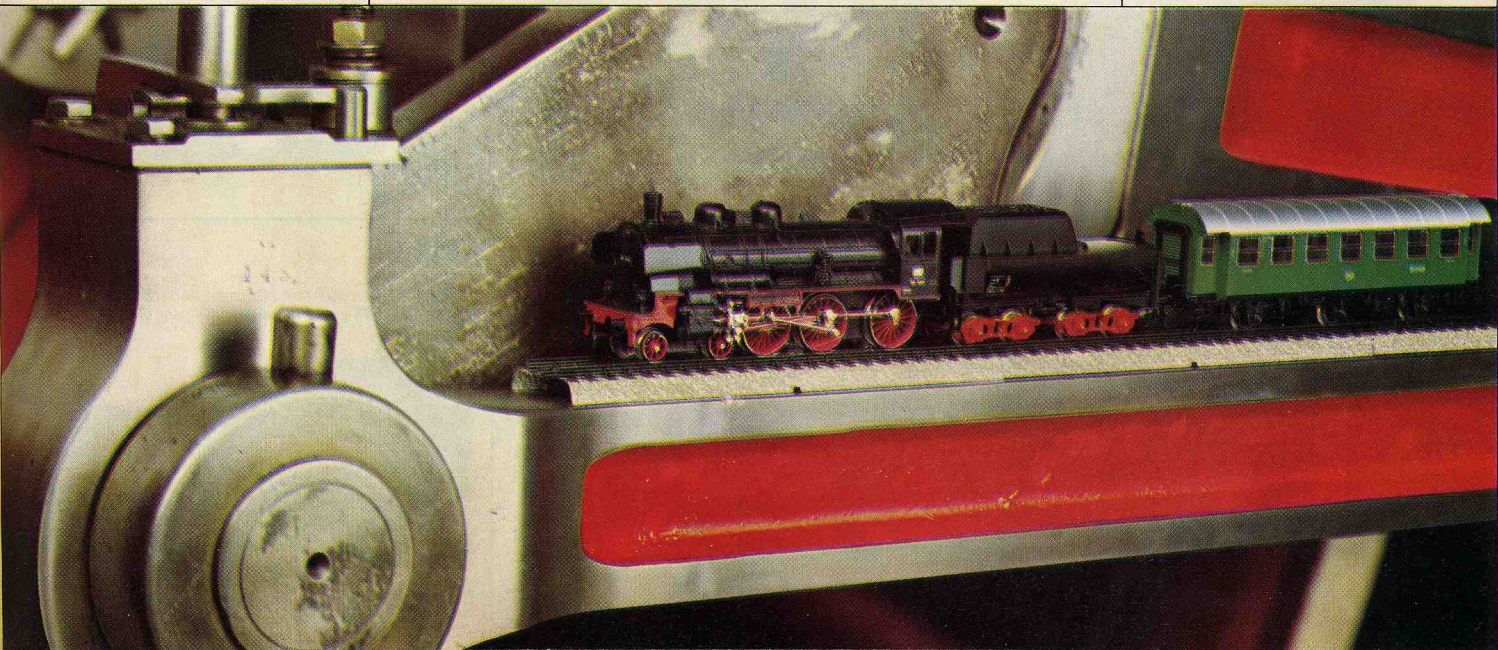
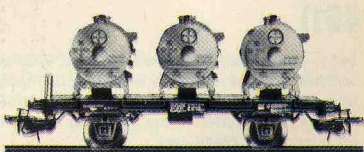
## 4517

4517 Covered flat car · 7 1/4" long



## 4520

4520 Chemical container car · BAYER · Containers can be removed by crane 7051 · 4 1/4" long

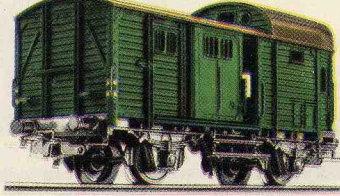


## Scale model freight cars with automatic coupling and advance uncoupler (RELEX)

We have specially worked out the details of these models. The RELEX coupling is quite essential for realistic switching. When the coupling has been opened by means of an uncoupling track section, the catch of the coupling remains open so that the car can be pushed away or allowed to roll down a ramp.

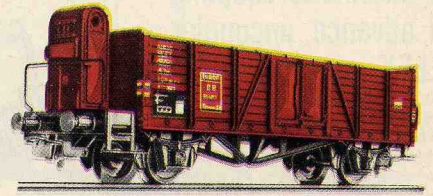
### 4600

4600 Freight train baggage car (German Federal Railways' type Dg) · Doors on both sides which will open · 3 1/2" long



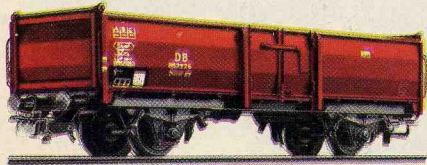
### 4601

4601 Open freight car with brakeman's cab (German Federal Railways' type Omm 33) · 4 3/8" long



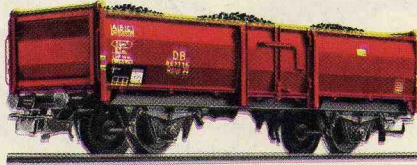
### 4602

4602 Open freight car (German Federal Railways' type Omm 52) · 4 3/8" long



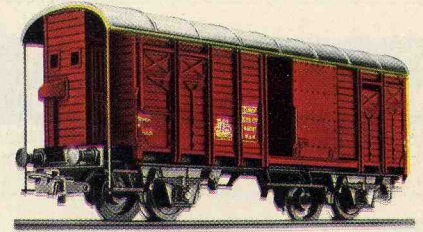
### 4604

4604 Open freight car (German Federal Railways' type Omm 52) · With removable load simulating coal · 4 3/8" long



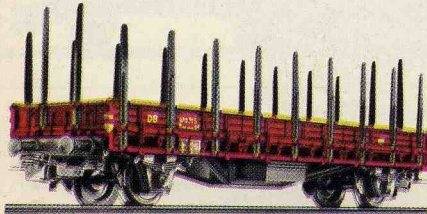
### 4605

4605 Box car with brakeman's cab of the Swiss Federal Railways (SBB-K<sup>3</sup>) · Doors on both sides which will open · 4 1/4" long



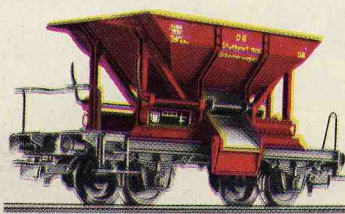
### 4607

4607 Low side car with stakes (German Federal Railways type Rmms 33), with removable stakes which can be stored in the sliding box under the floor of the car · 5 1/8" long



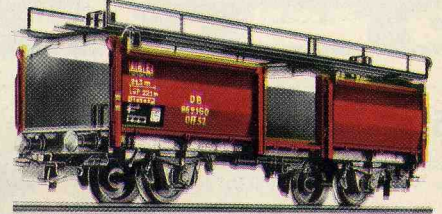
### 4610

4610 Ballast car with unloading doors operated by hand lever · 3 3/4" long



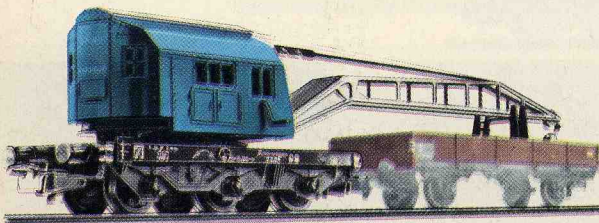
### 4612

4612 Automobile transporter with loading ramp · Not loaded · 4 3/8" long · (On the German Federal Railways two transporters are always coupled together to form a unit known as an "Off 52")



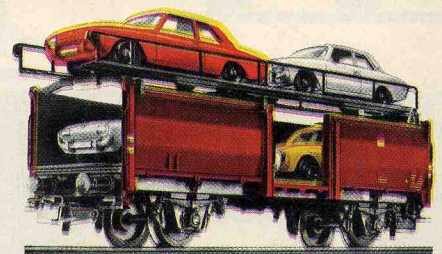
### 4611

4611 Crane car with slewing crane, with movable boom and boom support · Crane hook can be raised and lowered by handle · Underframe 3 1/2" long · (Low-sided car 4503 is not included in the price but is recommended for moving the crane car)



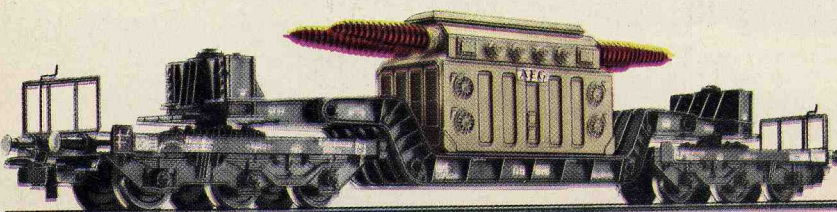
### 4613

4613 Automobile transporter with loading ramp · Loaded with miniature automobiles · 4 1/2" long



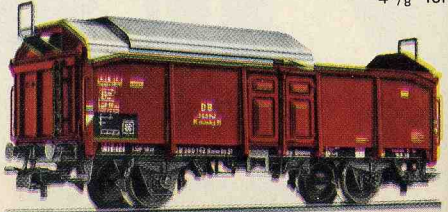
### 4617

4617 Depressed center flat car · Loaded with a transformer · 9 7/8" long



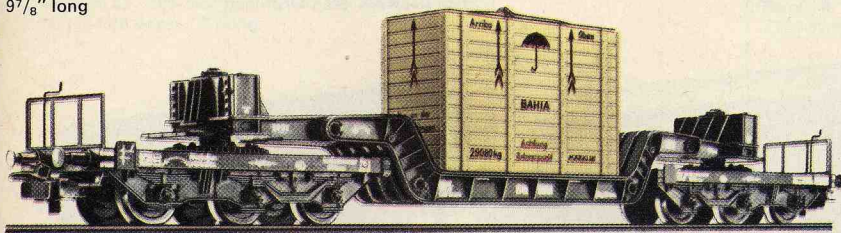
### 4619

4619 Sliding-roof car (German Federal Railways' type Kmmks 51) · The two halves of the roof will slide open · 4 3/8" long



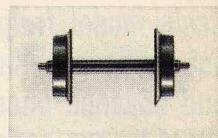
## 4618

4618 Depressed center flat car · Loaded with crate · 9<sup>7</sup>/<sub>8</sub>" long



## Märklin-HAMO Sets of wheels

for two-rail DC operation



## 7587

7587 Wheel set consisting of 3 axle sets · For converting the cars 4611, 4617 and 4618 to two-rail DC operation

## 7588

7588 Wheel set consisting of 4 axle sets · For converting all cars of the 4600 series (except 4611, 4617, 4618, 4631, 4633, 4635, 4644, 4646, 4657, 4659, 4664 and all freight cars with 4 axles) to two rail DC operation

## 4624

This type of car is used in international traffic for transporting coal, coke, ore, etc. generally in complete trains which are not broken up until they reach their final destination.

4624 High-capacity freight car · A model of the German Federal Railways type OÖtz 50 · 5<sup>1</sup>/<sub>4</sub>" long



## 4626

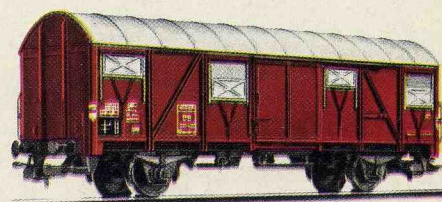
On a number of high-capacity freight cars fixed covers are fitted so that bulk materials which need protection from the elements, e. g. grain, can also be carried.

4626 High-capacity freight car with hinged roof covers · A model of the German Federal Railways' type KKt 57 · All the covers will open · 5<sup>1</sup>/<sub>4</sub>" long



## 4627

4627 Box car · A model of the German Federal Railways' type Glmehs 57 · 5<sup>1</sup>/<sub>4</sub>" long



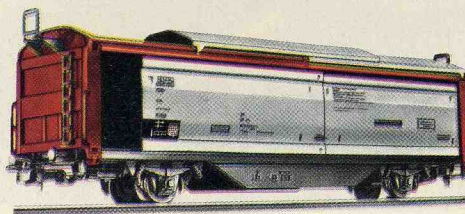
## 4632

4632 Beer tank car · 7<sup>3</sup>/<sub>4</sub>" long



## 4633

4633 Freight car with sliding sides and roof (DB-Klimgks 66) · The halves of the roof and the sides will slide open · 6<sup>1</sup>/<sub>4</sub>" long



## 4631

4631 Side dumping car with opening doors · A model of the German Federal Railways' type Otmm 70 · 4<sup>3</sup>/<sub>8</sub>" long

The discharging doors can be opened by hand-lever or by remote control using the uncoupling track sections 5112 (page 50) and 2197 (page 55).



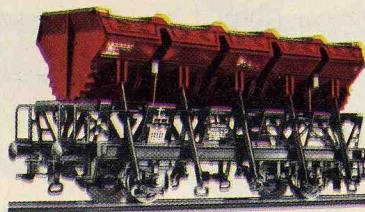
## 4634

4634 Beer tank car · A model of a car belonging to the Dortmunder Union-Brauerei · Roof with simulated ventilators · 5<sup>1</sup>/<sub>4</sub>" long



## 4635

4635 Dump car · A model of the German Federal Railways' type Omni 51 · Tips after the center holding-bar is unfastened · 4<sup>1</sup>/<sub>8</sub>" long



Scale model freight cars with automatic coupling and advance uncoupling (RELEX, see page 44)

## 4637

4637 Box car · A model of the German Federal Railways' type Tnomehs 59 · 5 1/4" long



## 4639

4639 Open freight car · A model of a Netherlands State Railways' car · 4 3/8" long



## 4644

4644 Tank car · A model of the standard tank car, with BP markings · 4 1/8" long



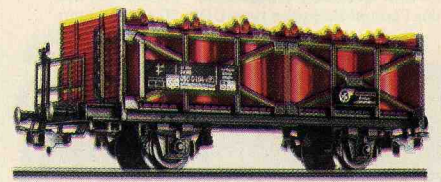
## 4646

4646 Tank car · A model of the standard tank car, with ARAL markings · 4 1/8" long



## 4657

4657 Acid container car · A model of an acid container car belonging to the German Federal Railways · 12 simulated acid containers made of plastic · 4 3/8" long



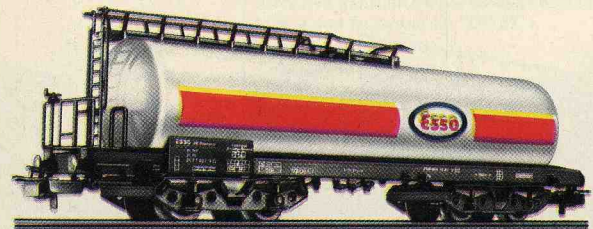
## 4649

4649 Tank car · AVIA · 6 1/2" long



## 4650

4650 Tank car · ESSO · 6 1/2" long



## 4658

4658 Car for fine bulk material · A model of the German Federal Railways' type Kds 54 in use as a private car of the Franken-Sugar Co · 4" long



## 4659

4659 Container car · A model of the German Federal Railways' "Berlin" type container car · Loaded with 2 removable containers · 6" long



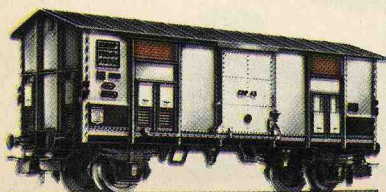
## 4660

4660 Beer car · A model of a car owned by the Kulmbacher Mönchshof-Bräu · Roof with simulated ventilators · 5 1/4" long



## 4550

4550 Box car · A model of an Italian State Railways' car · 4 1/4" long



## 4666

4666 Beer car · A model of a car owned by the Würzburger Hof Brewery · Roof with simulated ventilators · 5 1/4" long



## 4667 NEW

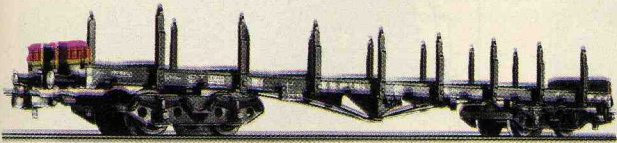
4667 Beer car · A model of a car owned by the Bavaria St. Pauli Brewery · Roof with simulated ventilators · 5 1/4" long





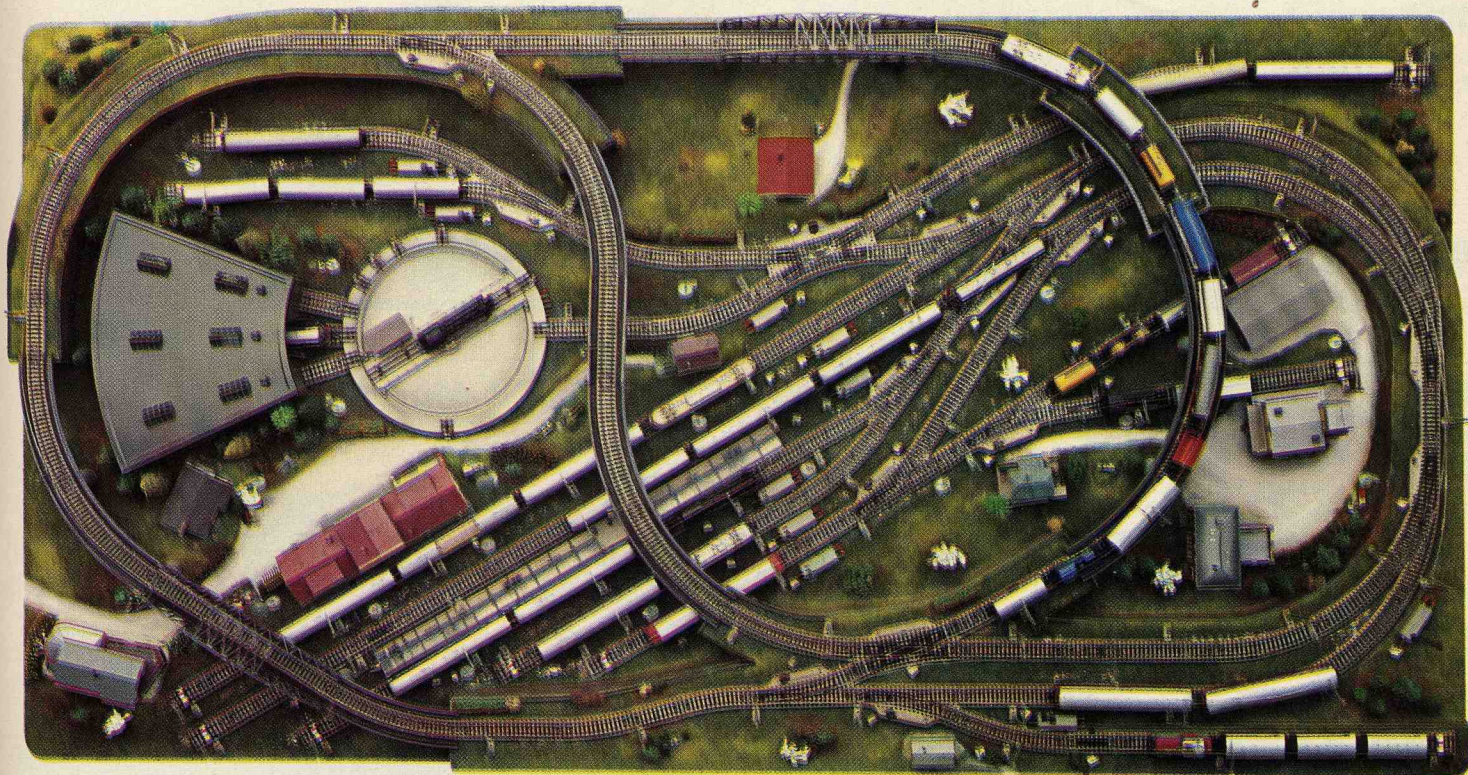
## 4663

4663 Flat car · A model of the German Federal Railways' type SSI mas 53 · Die-cast zinc metal body · Side stanchions fold down · 9" long



## 4664

4664 Container car · A model of the German Federal Railways' "Berlin" type container car · Loaded with 2 removable containers · 6" long



## 4575

### American freight cars

4575 Gondola · A "Dixie" line model · 7 7/8" long



## 4571

4571 Box car · A model of a Western Pacific Railroads' 50-ton box car · Roof walk mounted on roof · Doors which will open on both sides · 8" long



## 4576

4576 Caboose · Roof superstructure with walkway and ladders · 3 1/8" long



## 4577

4577 Caboose · Roof superstructure with walkway and ladders · 3 1/8" long



## Märklin-HAMO Sets of wheels

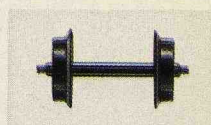
for two-rail DC operation

### 7587

7587 Wheel set consisting of 3 sets of axles · For converting all cars of the 4600 series (except 4611, 4617, 4618, 4631, 4633, 4635, 4644, 4646, 4657, 4659, 4664 and all freight cars with 4 axles) to two-rail DC operation

### 7588

7588 Wheel set consisting of 4 sets of axles · For converting all cars of the 4600 series (except 4611, 4617, 4618, 4631, 4633, 4635, 4644, 4646, 4657, 4659, 4664 and all freight cars with 4 axles) to two-rail DC operation



## 4902

4902 Open freight car kit  
Assembled kit 4902



## 4918

4918 Refrigerator car kit  
Assembled kit 4918



## 4921

4921 High-capacity tank car kit  
Assembled kit 4921



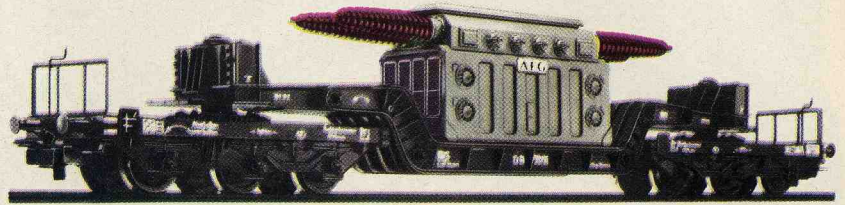
## 4912

4912 Derrick car kit  
Assembled kit 4912



## 4917

4917 Depressed center flat car kit  
Assembled kit 4917



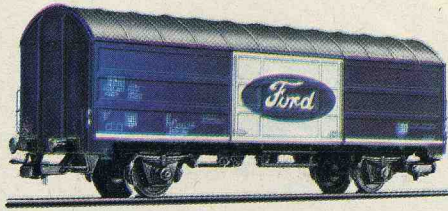
## 4934

4934 Beer car kit  
Assembled kit 4934



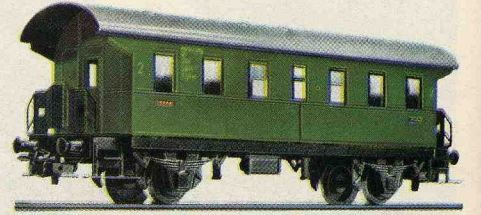
## 4937

4937 Box car kit  
Assembled kit 4937



## 4802

4802 Passenger coach kit  
Assembled kit 4802



## Car kits

*These car kits enable you to build your own cars. Each kit includes the necessary illustrated instructions and all the kits include automatic couplers and advance uncouplers (RELEX). To assemble them the only tools needed are a screwdriver and a pair of pliers, with a hammer in addition for car 4902.*

The models 4802, 4918, 4921, 4934 and 4937 are available only in kit form.



## Märklin M-tracks (M = metal) for trouble-free layout

Here we show our proven metal track. The special feature of this track is the covered current conductor in the roadbed with stud contacts at the centre of the track. The long current collectors between the wheels of the locomotives slide over these contacts. Each track section consists of the roadbed, which looks very realistic with its rock ballast and strong ties, and the two

rails which are electrically connected to the roadbed. At the opposite ends of each rail is a joiner. The current-carrying rail has spring contact tongues at both ends, which lock together when the track sections are joined, the joiners mentioned sliding over the outer rails at the same time. The result is the reliable electrical contact which is a mark of the Märklin system and at the

same time the track sections are held firmly together mechanically. The screws needed for mounting the track when sound deadening strips 7171 (see page 52) are used are included. When sound deadening strips are not used, the screws 7299 (see page 50) are recommended.

Fig. 1

This drawing shows the three Märklin M-track circles with their radii, track intervals and angles and also the number of track sections required for a half circle.

1 circle 5200 = 12 track sections  
1 circle 5100 = 12 track sections  
1 circle 5120 = 8 track sections

Fig. 1

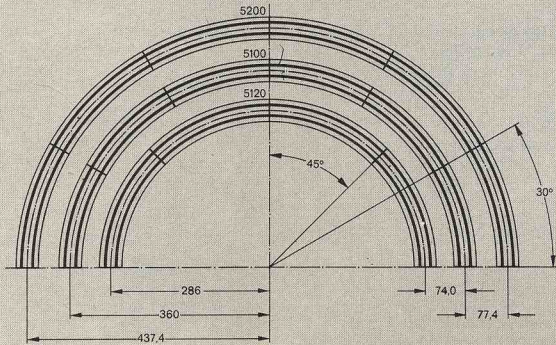
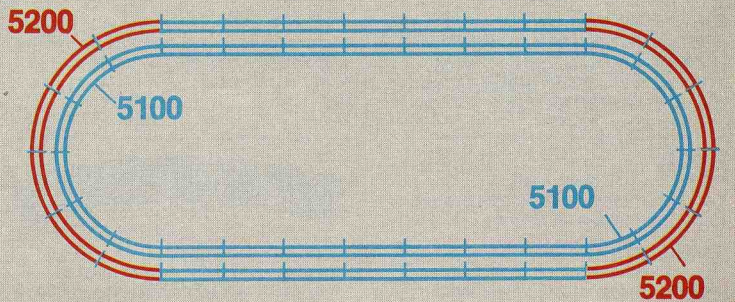


Fig. 2

Track sections of the 5200 series are intended for extending an existing layout made up of 5100 series track. This enables concentric circles to be laid with a track center spacing of 3" (measured from contact stud to contact stud) and an operating clearance between the tracks

of 1 1/2". The 5202 or 5140 turnouts are used to cross from the inner to the outer loop. The construction of the 5200 track sections is similar to that of the 5100 series (all metal with contact studs).

Fig. 2



## How the different Märklin M-track circles compare

Fig. 3

One section of track can be insulated from another by means of the insulator piece 5022 (see page 54), or a piece of ordinary cardboard. No special insulating track section is needed, so space is saved.

Fig. 3

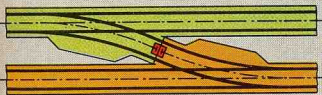


Fig. 4

A special feature of the Märklin track is the excellent current feeding qualities. When one of the rail joiners is bent, which can always happen on a model railroad, this has no effect because the second joiner will still join the track sections and make electrical contact perfectly satisfactorily. No soldered joints are needed.

Fig. 4

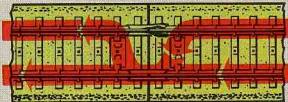
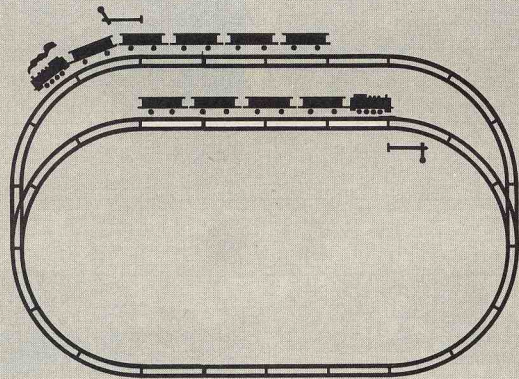


Fig. 5

On track layouts with sidings or branches off the main line, locomotives or trains can run in the same direction or in opposite directions. No special reversing

arrangement is necessary, nor do the terminals on the transformer have to be switched over. This is one of the advantages of the Märklin system.

Fig. 5



## Curved track sections 5100 for standard circle

Twelve 5100 track sections for a circle with outside diameter of 30".

### 5100

Full length = 30°



### 5101

Half length = 15°



### 5102

Quarter length = 7° 30'



### 5103

Feeder track section, curved · Full length = 30° · 2 connecting leads



### 5147

Switching track section, curved · Half length = 15°



### Switching track sections

The switching track sections (5146, 5147, 5213) are only half as long as the contact track sections and so save space. Moreover they can trigger one function in each direction of travel, i. e. two in all;

they can do this at the same time on one or more magnetically operated items. The switching track sections are operated from the current pickups on the locomotives.

### 5120

Track with small radius for branch lines and industrial sidings



Curved track section · Full length = 45° · 8 track sections form a circle with an outside diameter of 24". Even the big Märklin locomotives and coaches can negotiate this curve · Only if there is a direct reverse curve, at least one full

length straight track section must be interposed for a locomotive like the 3047 or an express coach · The 5120 track sections can be used in conjunction with all types of turnouts and track sections

## Straight track sections 5100

### 5106

Full length = 7"



### 5107

Half length = 3 1/2"



### 5129

Make-up section · Length 2 3/4"



### 5108

Quarter length = 1 3/4"



### 5109

3/16 length = 1 5/16"



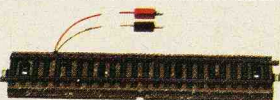
### 5110

1/8 length = 7/8"



### 5111

Feeder track section, straight · Full length = 7" · 2 connecting leads



### 5146

Switching track section, straight · Half length = 3 1/2"



### 5105

Contact track section, straight · Full length = 7"



### 5114

Crossing · Length 7 5/8" = 30° · The crossing center conductors are electrically insulated from one another



## Curved track sections 5200 for large parallel curve

Twelve 5200 track sections for a circle with outside diameter of 36".

### 5200

Full length = 30°



### 5206

Length = 24° 17' · Matches the curve of the turnout 5202



### 5201

Half length = 15°



### 5205

Length = 5° 43' · This section used with 5206 is equal to 5200



### 5213

Switching track section, curved · For parallel curve · Half length = 15° · Construction and operation as for 5146/5147



### 5208

Make-up section, straight · Length 5/16"



### 5210

Make-up section, straight · Length 5/8"



### 5211

Crossing · Crossing angle 48 1/2° · Length 3 7/8" · The crossing center conductors are electrically insulated from one another



### 7299

Flush wood screws for mounting metal track · In packets of 200



### 7190

Buffer stop · Die-cast zinc buffer beam · 2 3/4" long



### 7191

Buffer stop with working signal light · Die-cast zinc buffer beam · 2 3/4" long · P = 60000



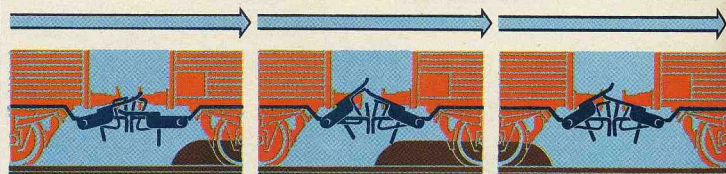
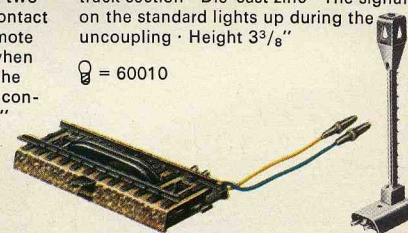
### 5112

5112 Uncoupling track section for releasing automatic couplings · The two ramps on the right and left of the contact studs are raised magnetically by remote control and release the couplings when the button on the control panel or the manual switch lever is operated · 2 connecting leads · Length of track 3 1/2"

### 5113

5113 Light standard for the uncoupling track section · Die-cast zinc · The signal on the standard lights up during the uncoupling · Height 3 3/8"

P = 60010



The coupling is released by raising the ramp. The RELEX coupling is designed so that it remains "open" after uncoupling, which

means that the coaches or cars can be pushed, or dropped off at any required point, without the couplings closing again.

Rail operations only become realistic when it is no longer necessary to uncouple locomotives from trains, or cars from one another, by hand. This can be achieved by the use of the uncoupling track section with its light standard whose signal lights up when the uncoupler is operated. When the coupling between locomotive and coach or between coach

and coach is near the uncoupler light, pressing the control panel button will open the coupling and the detached coach or section of train remains standing. Coaches with the advance uncoupler (RELEX) can then be pushed back again by the locomotive under remote control without the coupling closing again.

## Märklin M-turnouts and how to use them

When laying out a siding parallel to the main track using the 5117 and 5121 turnouts (Fig. 1), form the reverse curve by

using curved track 5100 (distance between track centers  $3\frac{7}{8}$ ""). With the 5202 (Fig. 2) or 5214 (Fig. 3) turnouts on the other hand, use the track section 5206 to form the reverse curve. The turnout, which is shorter by  $\frac{1}{8}$ " in the curve, gives a reduced distance of  $3$ " between track centers.

The electromagnetic turnouts 5117, 5140 and 5202 and the double switch slips 5128 and 5207 are operated by double solenoids. When crossed in the reverse direction, the points of all the turnouts are opened up by the wheels of the rolling stock. The turnouts return automatically to their initial setting. The working signal

lights show the setting of the turnout. Further turnouts can be joined directly on to either end of the turnout section.

At least four solenoid-operated turnouts can be connected to one control panel (see page 63).

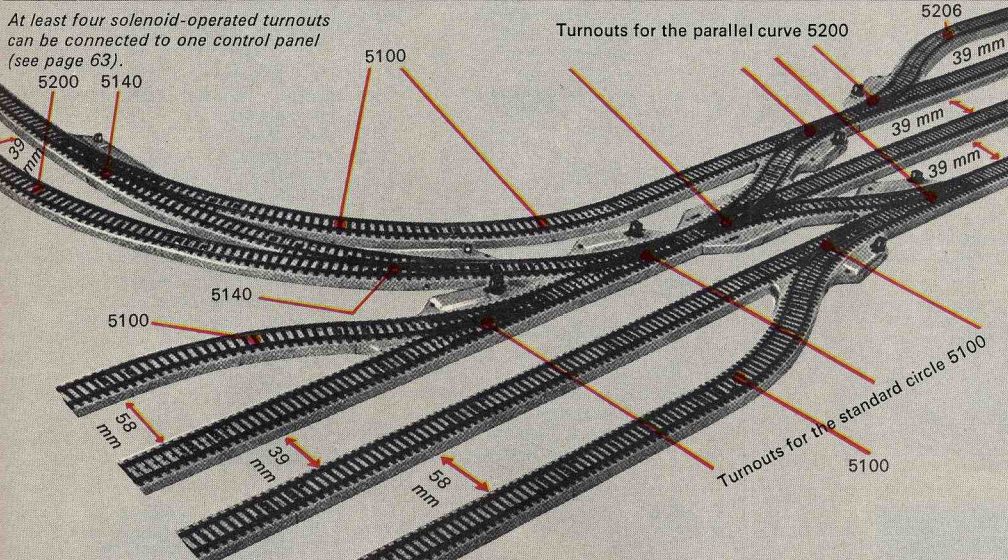


Fig. 1

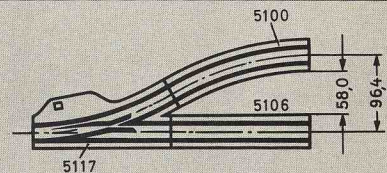


Fig. 2

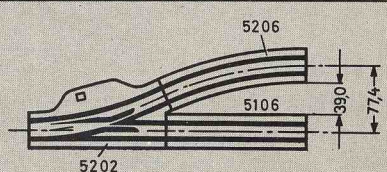
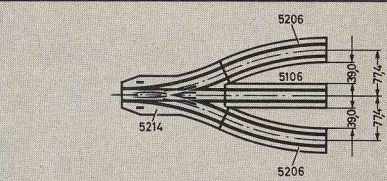


Fig. 3



## Märklin M-turnouts 5100 with sprung points

operated by double solenoids for remote control

### 5117

**5117** Pair of solenoid-operated turnouts · Consisting of one right-hand and one left-hand turnout, each operated by a double solenoid · Working signal

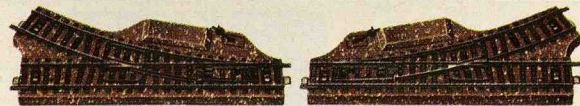
lights · The track lengths are the same as for track sections 5100 and 5106

Ⓛ = 60000



### 5121

**5121** Pair of manually operated turnouts · Track dimensions as for 5117



### 5140

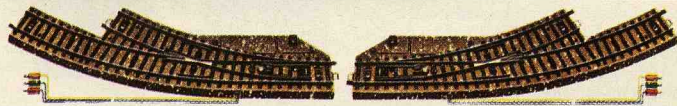
**5140** Pair of solenoid-operated curved turnouts · Consisting of one right-hand and one left-hand inside-curve

turnout, each operated by double solenoid · Working signal lights · Length and curvature of the branch tracks as for track section 5100 · Length of the outer curve  $10\frac{1}{2}$ "

Ⓛ = 60000

If the curved turnouts are included in the layout, the train when already in the curve can change from one track to the other. The narrow interval between the parallel

curves of the track ( $3$ "") is maintained and space is saved for a longer overtaking section (Fig. 4).



### 5128

**5128** Double slip switch ·  $30^\circ$  crossing angle · Operated by double solenoid · Working electric signal lights which change to show the setting of the points

(crossing or curve) · Manual switching lever to permit setting by hand · Length of straight section  $7\frac{9}{16}$ " · The curvature is the same as for track section 5100

Ⓛ = 60000

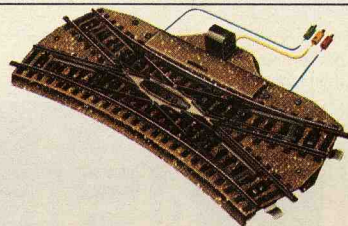
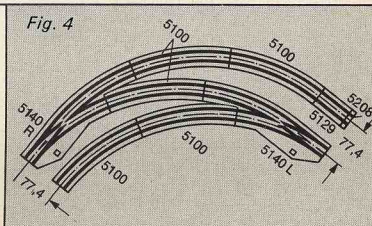


Fig. 4



## Märklin M-turnouts 5200 with sprung points

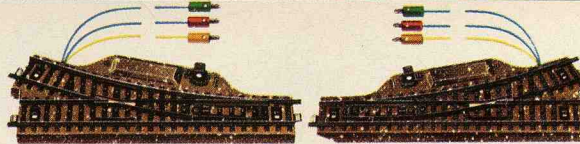
operated by double solenoids for remote control

### 5202

**5202** Pair of solenoid-operated turnouts · Consisting of one right-hand and one left-hand turnout, each operated by double solenoid · Working signal

lights · The track lengths are as for track sections 5206 and 5106

Ⓛ = 60000



### 5207

**5207** Double slip switch · Enables the track spacing of  $3$ " to be maintained, operated by double solenoid · Manual switch lever on the drive case · Length of straight section  $7$ " · The curve is the

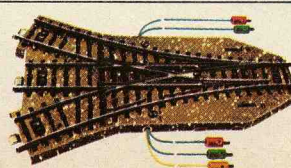
same as for 5202 and 5206 · Two make-up sections 5208, each  $\frac{5}{16}$ " long, are included



### 5214

**5214** Symmetrical three-way turnout operated by 2 double solenoids · Two hand levers for manual setting of the points · 5 connecting leads · Length of the straight track  $7$ " · Radius of the

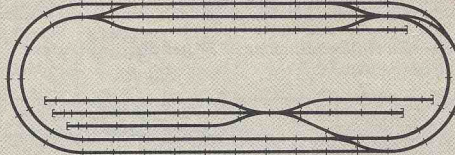
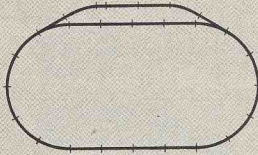
branch tracks  $18$ " , the same as for the outer circle track · When used in conjunction with the track section 5206, the  $3$ " track center spacing can be maintained on both sides (see Fig. 3 above)



## Some simple HO gauge track plans for M-tracks

### Oval with passing track

Size:  $58\frac{1}{4}'' \times 33\frac{1}{2}''$   
Track sections: 11×5100, 1×5103, 10×5106, 1×5108, 1 pair of turnouts 5117 or 5121

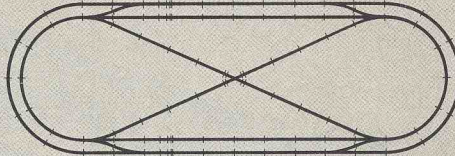
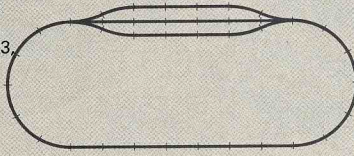


### Double-track oval with passing track and sidings

Size:  $107'' \times 36\frac{1}{4}''$   
Track sections: 11×5100, 1×5103, 61×5106, 1×5107, 3×5108, 1×5111, 1×5140, 10×5200, 2×5202, 4×5206, 1×5207, 4×5214

### Oval with two passing tracks

Size:  $80\frac{3}{4}'' \times 33\frac{1}{2}''$   
Track sections: 11×5100, 1×5103, 18×5106, 4×5206, 2×5214

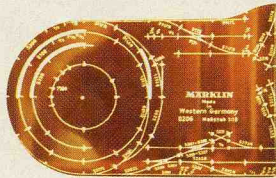


### Double-track oval with double reversing loop

Size:  $106\frac{1}{4}'' \times 36\frac{1}{4}''$   
Track sections: 11×5100, 1×5103, 43×5106, 4×5107, 4×5108, 4×5110, 1×5111, 12×5200, 2×5202, 4×5208, 4×5210, 1×5211, 4×5214

## 0206

**0206 Track planning template** for M-track sections (series 5100/5200). On the template the track sections, turnouts, crossings, etc. are cut out on a scale of 1:10 and they can easily be transferred on to paper with a sharp pencil



## 7171

**7171 Sound deadening strips** packed in 50's with 50 flush wood screws for quiet train operation. If the tracks are mounted on a plywood board, the trains as they move, naturally make some, but not excessive, noise to the rhythm of the wheels. If it is desired to dampen this

noise down to about half, it is recommended that the tracks, turnouts and crossings should be laid on sound deadening strips. This makes no difference in the mounting of the catenary system



## 0321

**Märklin track layouts, HO gauge, for M-tracks 5100 and 5200**. Simple track plans. 24 pages



## 0351

**Märklin track layouts, HO gauge, for M-tracks 5100 and 5200**. An outstanding guide. 86 pages

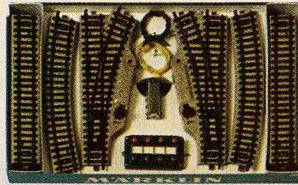


For an exact description of these booklets, see page 68

## M-track extension packs

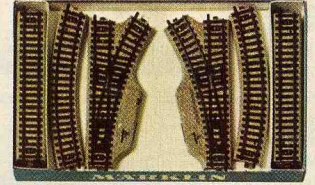
## 5090

**5090 Track extension pack** for extending a track oval. Contents: 10 straight track sections 5106, 1 pair of solenoid-operated turnouts 5202, 2 curved track sections 5206, 1 control panel 7072, 1 distributor panel 7209, 2 wood screws for fixing the control panel, 2 cables and instructions for installing the turnouts and extending the layout



## 5091

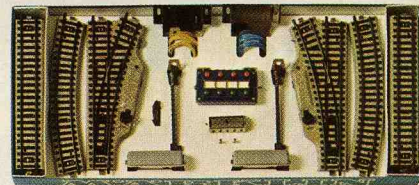
**5091 Track extension pack** for extending a single oval track. Contents: 2 curved track sections 5100, 10 straight track sections 5106, 1 pair of turnouts 5121 for manual operation and instructions for carrying out the extension to the layout



## 5092

**5092 Track extension pack** for extending a single oval track. Contents: 13 straight track sections 5106, 1 pair of solenoid-operated turnouts 5202, 2 curved track sections 5206, 2 home signals 7039, 1 control panel 7072, 1 distributor panel 7209 and 5 cables, together with 2 wood screws for fixing the control panel. With instructions for installing

the turnouts and signals and extending the layout

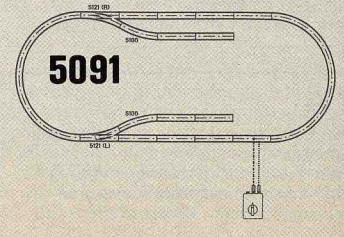
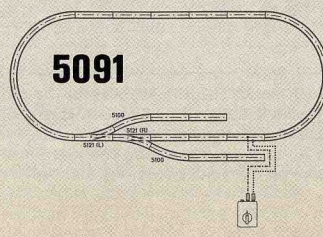
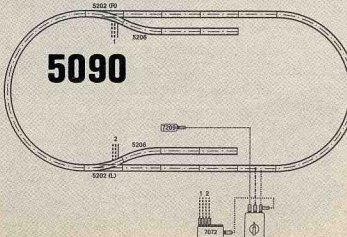
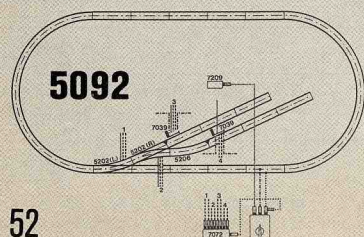
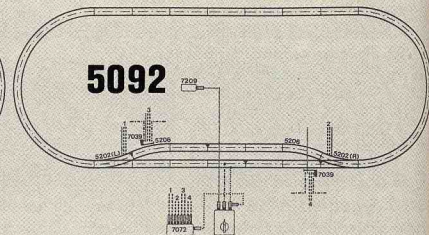
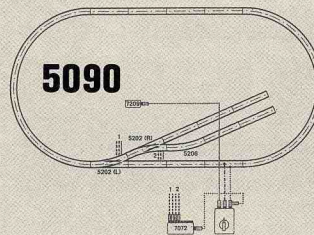
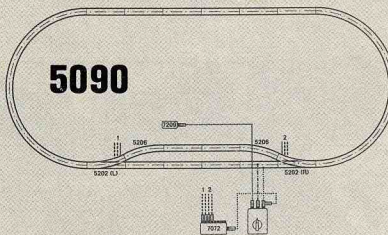


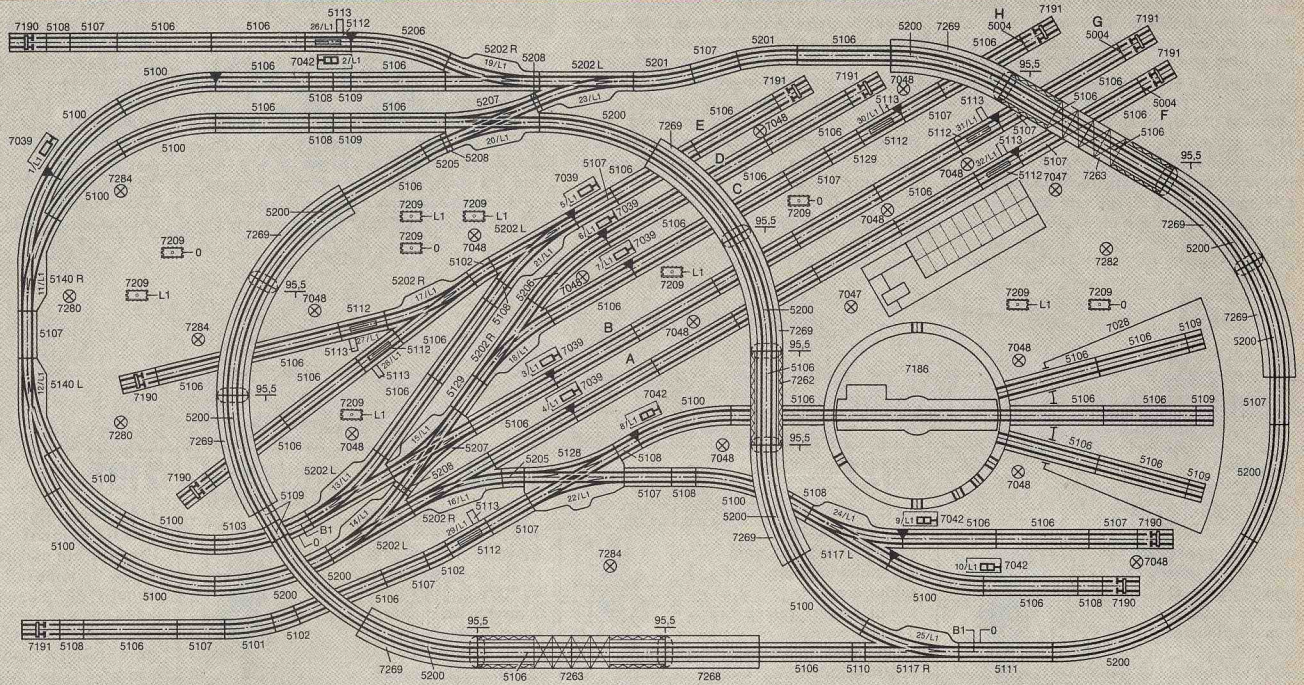
The pack 5092 contains signals which make the operation of the layout particularly interesting.

The track layouts in gift sets 2900—2921, 2931—2965, 3122, 3200 and 3203 in particular, can be extended by using track extension sets 5090, 5091 and 5092.

## Some examples

of how these track extension sets can be used to extend the gift sets 2900—2921, 2931—2965, 3122, 3200 and 3203.



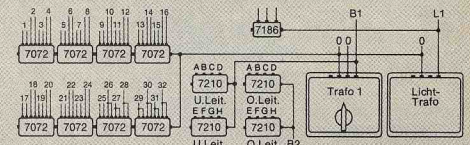


### Parts list

For building this model railroad layout, the following items were used:

- 1 Transformer 30 VA
- 1 Lighting transformer 40 VA
- 3 — 5004
- 12 — 5100
- 1 — 5101
- 3 — 5102
- 1 — 5103
- 56 — 5106
- 14 — 5107
- 9 — 5108

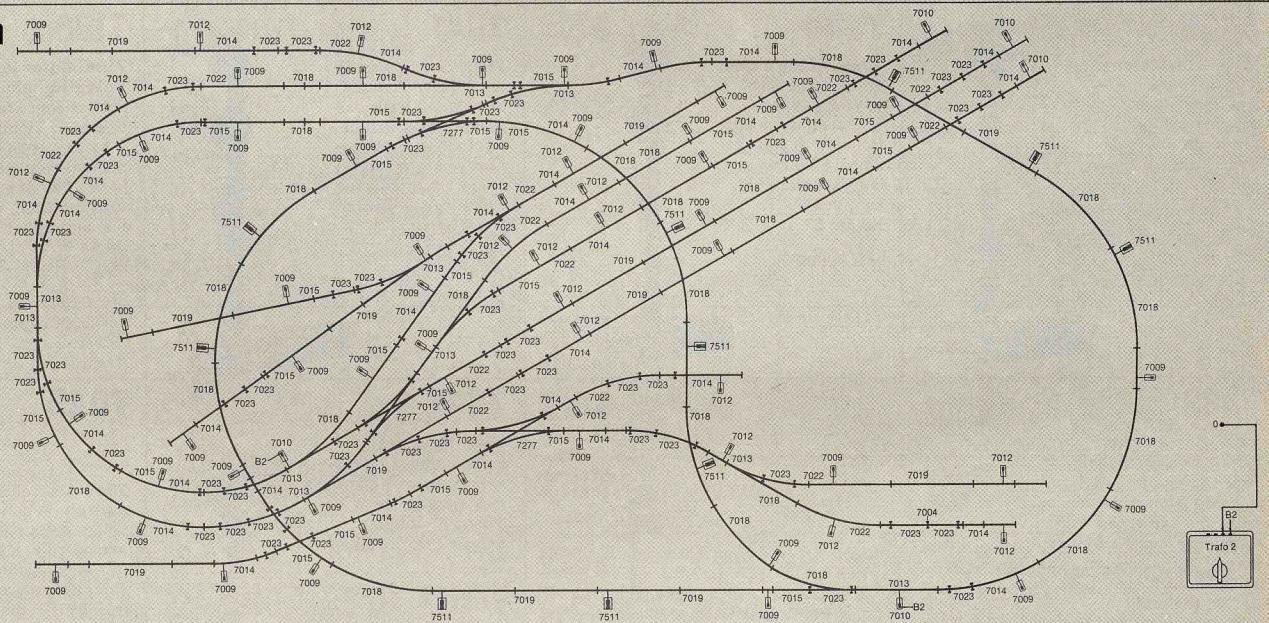
- 7 — 5109
- 1 — 5110
- 1 — 5111
- 7 — 5112
- 7 — 5113
- 1 — 5117
- 1 — 5128
- 2 — 5129
- 1 — 5140
- 16 — 5200
- 2 — 5201
- 4 — 5202
- 2 — 5205
- 2 — 5206
- 2 — 5207
- 5 — 5208
- 1 — 5209
- 4 — 7042
- 2 — 7047
- 13 — 7048
- 8 — 7072
- 5 — 7171
- 1 — 7186
- 5 — 7190
- 6 — 7191
- 10 — 7209
- 4 — 7210
- 4 — 7211
- 10 — 7250
- 13 — 7251
- 30 — 7253
- 1 — 7262
- 2 — 7263
- 1 — 7268
- 10 — 7269
- 2 — 7280
- 1 — 7282
- 3 — 7284
- 15 — 7000
- 1 — 7100
- 6 — 7101
- 2 — 7102
- 3 — 7103
- 2 — 7105
- 15 — 7111
- 20 — 7112
- 40 — 7113
- 50 — 7115
- 2 — 7117
- 20 — 7131
- 40 — 7132
- 49 — 7133
- 60 — 7135
- 2 — 7137



### Catenary system

- 1 Transformer 30 VA

- 12 — 7004
- 7 — 7005
- 52 — 7009
- 5 — 7010
- 6 — 7012
- 10 — 7013
- 34 — 7014
- 25 — 7015
- 25 — 7018
- 12 — 7019
- 58 — 7023
- 3 — 7277
- 10 — 7511



### Symbol code used on track plan

- 0 B1** Locomotive current feeder track for point contact conductor. Red and brown cables to the sockets of the same color on transformer 1.
- B2** Locomotive current feeder mast to the catenary system. Red cable to the red socket on transformer 2. Of there is not already a ground lead, a brown cable, for operation via the track point contacts, then the feeder tracks must be connected by the brown cable to the brown socket on the transformer or to a distributor panel connected to it.

- 3** Blue cable with green plug in green socket; blue cable with red plug in the red socket of the pair of sockets, e. g. those marked "3", on the control panel (7072).

- L1** Yellow cable to the yellow lighting current socket L on transformer 1, or the terminal strip L1 connected to it.

- Circuit isolation with isolating section 5022

- Isolating section for halting train in conjunction with signals. The length of the section must be suited to the speed and stopping distance of the trains.

- Height of pier or track support in mm

- Power lines connected by means of the fixing fittings 7004 (bolt, nut and washer).

## The Märklin range of signals for M-tracks

There should be a few, suitably arranged, signals even on a small railway layout, and not just because the play of red, green and amber lights looks attractive. The home and siding signals regulate the traffic, in that by setting them at red or green by remote control, the starting and stopping of the trains can be controlled at the same time. And that is not all: switching or contact track sections have only to be included and connected to the signals and then one train controls the other automatically

by means of the signals, without it being possible for an "accident" to happen (block operation). In this way, while some trains are travelling as programmed, one is free to see to other things e. g. shunting. The installation of the signals is simple. Their base plates are clamped either to the right or left under straight or curved metal tracks and the leads are connected as shown in the instructions which accompany them. The signals are connected electrically to the control panels (7072, see page 63)

in such a way that it can be seen from the position of the switch buttons whether the signals are at "stop" or "go". Anyone who wants his layout to be realistic, should install warning signals as well as the home signals described. They are mounted in the same way as the home signals to which they are simply connected by a lead. With a control panel 7072, it is possible to operate, e. g. 4 home signals 7039 with warning signals, or also groups of signals and turnouts. The home and warning signals have rail

current switches by means of which the current in the contact studs and in the catenary can be altered. The silver contacts in the switches enable them to cope with heavy loads. The connecting wires have color-coded plugs with side sockets allowing extra plugs to be inserted. In addition, sockets are incorporated into the signal bases for connection to the catenary and ground. Lighting is provided by small bulbs. Track insulators, a base plate and precise installation instructions are included in each pack.

## Warning signals without train control

### 7036

**7036 Warning signal** with movable disk · Signal lights change from amber/amber to green/green · Double solenoid · Used with home signal 7039 · Width 1 1/8" · Length 2 5/8" · Height 2 7/8"

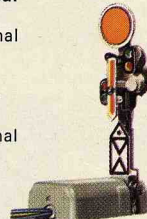
⚡ = 60000



### 7037

**7037 Warning signal** with extra movable arm · Disk fixed · Signal lights change from amber/amber to amber/amber/green · Double solenoid · Used with home signal 7040 · Width 1 1/8" · Length 2 5/8" · Height 2 7/8"

⚡ = 60000



### 7038

**7038 Warning signal** with movable arm and movable disk · Signal lights change either as in 7036 or 7037 · 2 double solenoids · Used mostly with home signal 7041 · Width 1 1/8" · Length 2 5/8" · Height 2 7/8"

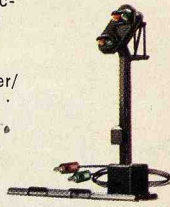
⚡ = 60000



### 7187

**7187 Color light warning signal** · Used only in conjunction with home light signal 7188 · Signal lights change from green/green to amber/amber using 4 bulbs · Width 5/8" · Length 7/16" · Height 2 3/8"

⚡ = 60202 green  
= 60204 amber



## Signals with train control for catenary and rail conductors

### 7039

**7039 Home signal** with one semaphore arm · Signal light danger from red to green · Double solenoid · Width 1 1/8" · Length 2 3/4" · Height 5"

⚡ = 60000



### 7040

**7040 Home signal** with two coupled semaphore arms · Signal lights change from red to green/amber · Double solenoid · Width 1 1/8" · Length 2 3/4" · Height 5"

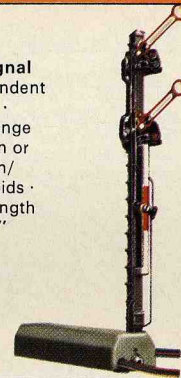
⚡ = 60000



### 7041

**7041 Home signal** with two independent semaphore arms · Signal lights change from red to green or from red to green/amber · 3 solenoids · Width 1 1/8" · Length 3 7/8" · Height 5"

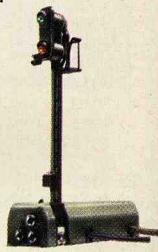
⚡ = 60000



### 7188

**7188 Color light home signal** · Signal light changes from red to green · Lighting by 2 bulbs · Additional manual switching lever · Pair of sockets for connecting to the warning signal 7187 · Width 1 1/8" · Length 2 3/4" · Height 3 1/2"

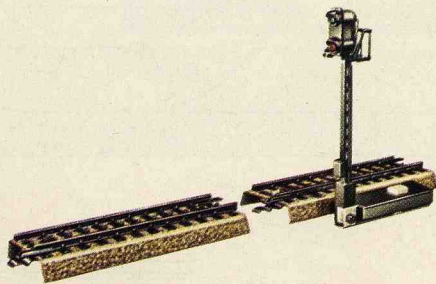
⚡ = 60001 red  
= 60002 green



### 7339

**7339 Color light home signal** · Signal light changes from red to green by manual operation and at the same time controls the current to the section of metal track connected to the signal · Additional track section 3 1/2" long with interrupted central conductor · Width 2 1/4" · Length 3 1/2" · Height 3 1/2"

⚡ = 60001 red  
= 60002 green



### 7042

**7042 Yard and siding signal** · Mast with movable front and rear disks · Double solenoid · Width 1 1/8" · Length 2 3/4" · Height 2 3/4"

⚡ = 60000



### 7045

**7045 Universal remote control switch** · It can be given various functions which it then carries out automatically and reliably, e. g. causing a moving train to switch station lighting on and off, overriding the control by signal for trains travelling in the opposite direction, and many more · It is all fully described in the installation instructions and our signal manual · The universal remote control switch is controlled from the control panel or by switching or contact track sections · Double solenoid · Width 1 1/8" · Length 2 3/4" · Height 9/10"



### 0341

Märklin signal Manual for M-tracks · For description, see page 68



### 5004

**5004 Connecting cable for center track conductor** · Length 30"



### 5015

**5015 Insulation marker for marking insulation joints**



### 5022

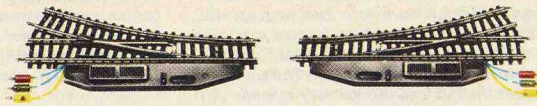
**5022 Center track conductor insulation for insulating 5 joints**







## Märklin K-turnouts 2100 with sprung points

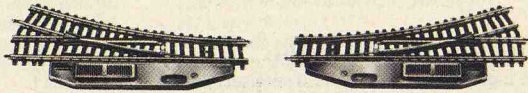


### 2161

**2161** Pair of solenoid-operated turnouts · Consisting of one right-hand and one left-hand turnout, each

operated by double solenoid · Working signal lights · Frog angle  $22^{\circ} 30'$  · Radius of branch track  $17''$  · Length of straight section  $6\frac{7}{8}''$

$\varnothing = 60000$



### 2164

**2164** Pair of manually operated turnouts · Consisting of one right-hand and one left-hand turnout · Frog angle

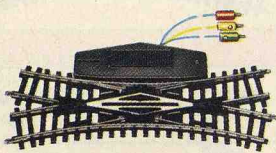
$22^{\circ} 30'$  · Radius of branch track  $17''$  · Length of straight track  $6\frac{7}{8}''$  · Operated by hand lever



### 2167

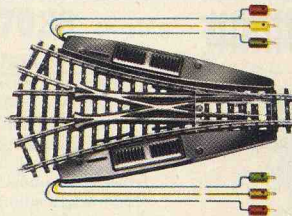
**2167** Pair of solenoid-operated curved turnouts · Consisting of one right-hand and one left-hand inside

turnout operated by double solenoid · Length and curvature of the branch track as for track section 2121 · Length of the outside track section  $9\frac{1}{2}''$



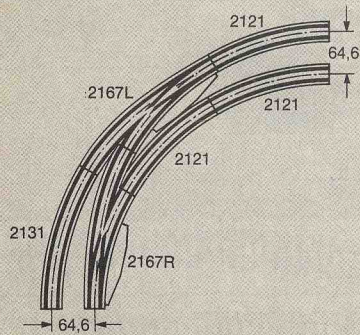
### 2160

**2160** Double slip switch · Crossing angle  $22^{\circ} 30'$  · Radius  $17''$  · Inside points operated by double solenoid actuated remotely · Additionally, hand lever for manual operation · Length of the straight track section  $6\frac{5}{8}''$



### 2170

**2170** Symmetrical three-way turnout operated by 2 double solenoids · Two hand levers for manual setting of the two pairs of points · Length of straight track section  $6\frac{5}{8}''$  · Frog angle  $22^{\circ} 30'$  · Radius of the branch tracks  $17''$



### 7391

**7391** Buffer stop of riveted steel construction · Snaps into the rails · Length  $1\frac{1}{2}''$  · Wood fixing screw supplied



### 7500

**7500** Ground connection with terminal for connecting the ground wire to track of series 2100



### 7504

**7504** Connection for center conductor with terminal · At the rail joint, it is pushed on to the contact strip of the track section of series 2100



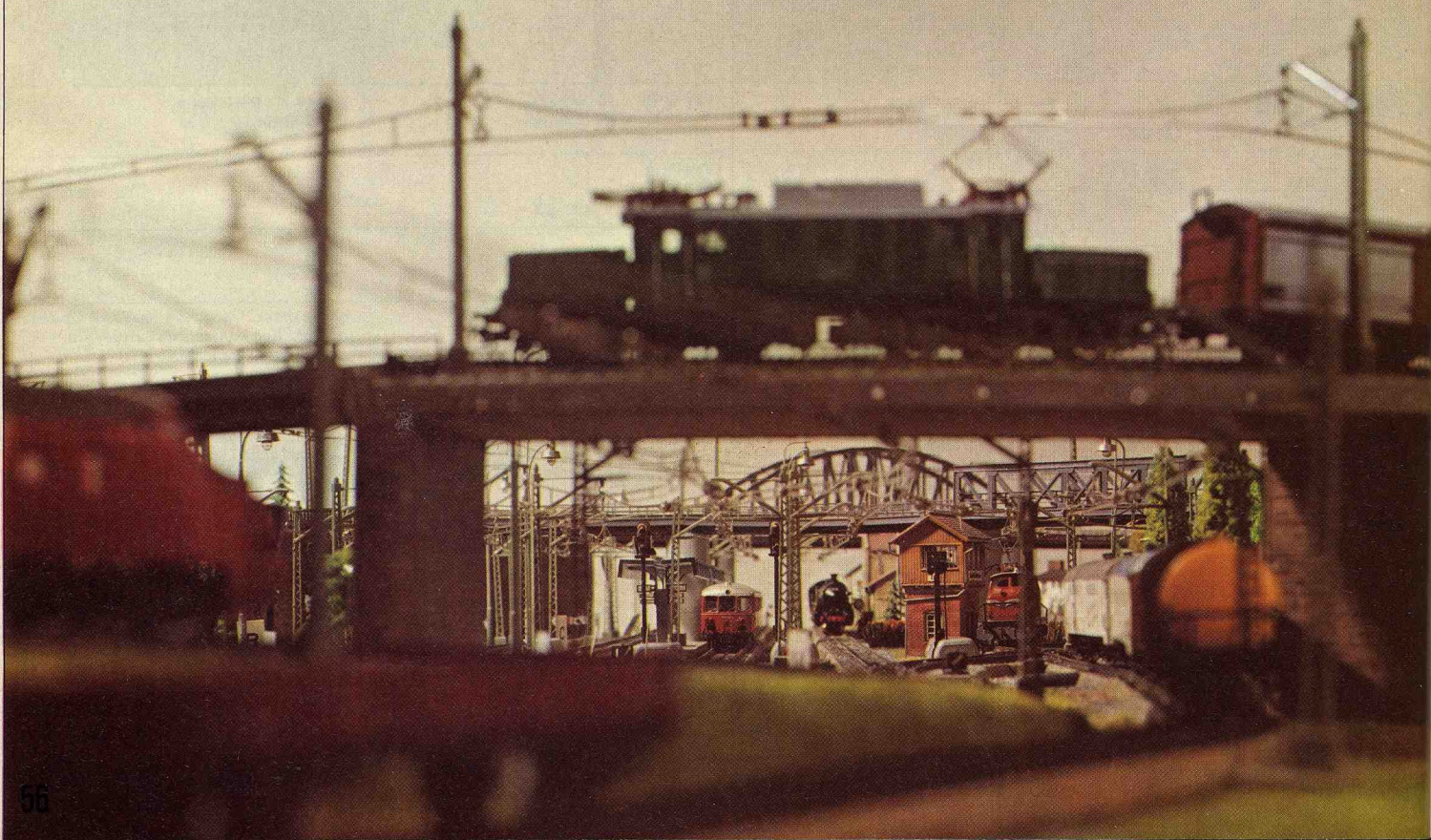
### 7522

**7522** Insulation for center conductor · Is inserted at the rail joint between the contact strips of the track sections of series 2100, to provide a break in the circuit

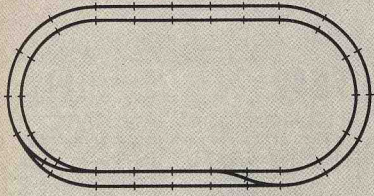


### 7599

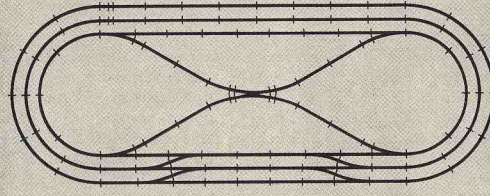
**7599** Flush wood screws for fixing plastic tracks · Packed in 200's



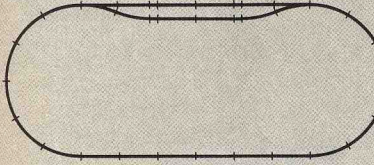
## Some simple HO gauge track plans for K-tracks



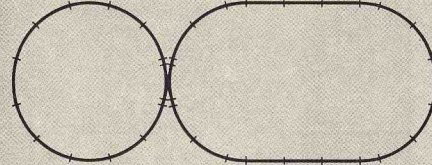
**Double track oval**  
 Size: 72" × 37<sup>3</sup>/<sub>4</sub>"  
 Track sections: 11 × 2100,  
 2 × 2106, 4 × 2107, 12 × 2121,  
 10 × 2131, 1 × 2190,  
 2 right-hand turnouts  
 2161 or 2164,  
 1 pair of turnouts 2167



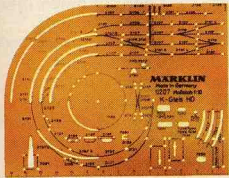
**Three-track oval with double reverse loop**  
 Size: 92" × 37<sup>3</sup>/<sub>4</sub>"  
 Track sections: 23 × 2100,  
 2 × 2102, 2 × 2104, 8 × 2106,  
 16 × 2107, 8 × 2110, 12 × 2121,  
 12 × 2131, 4 × 2133, 4 × 2134,  
 4 × 2135, 1 × 2190, 1 crossing  
 2159 or 2160, 6 pairs of  
 turnouts 2161 or 2164



**Oval with passing siding**  
 Size: 74<sup>3</sup>/<sub>4</sub>" × 32"  
 Track sections: 9 × 2100,  
 2 × 2107, 4 × 2108, 12 × 2121,  
 2 × 2132, 1 × 2190,  
 1 pair of turnouts 2161 or 2164



**Simple track layout with crossing**  
 Size: 82<sup>1</sup>/<sub>2</sub>" × 33"  
 Track sections: 5 × 2100,  
 18 × 2121, 4 × 2123, 2 × 2131,  
 4 × 2135, 1 × 2190,  
 1 crossing 2159 or 2160



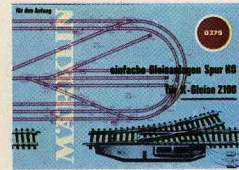
### 0207

**0207 Track planning template** for Märklin K-tracks (series 2100), HO gauge. Track sections, turnouts, crossings, etc., are cut out in the template to a scale of 1 : 10 and can easily be transferred on to paper with a sharp pencil



### 0371

**Märklin track layouts, HO gauge, for K-tracks, series 2100**. An outstanding guide. 52 pages

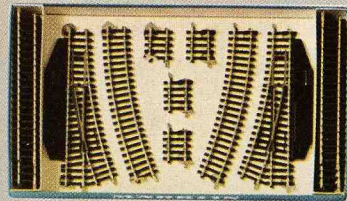


### 0379

**Märklin track layouts, HO gauge, for K-tracks, series 2100**. Simple track plans. 20 pages

These booklets are described on page 68

## K-track extension pack

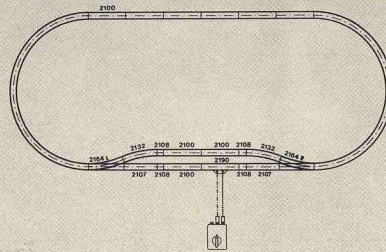
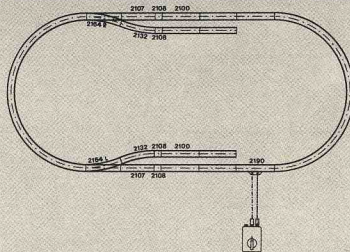
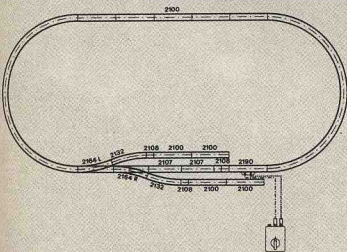
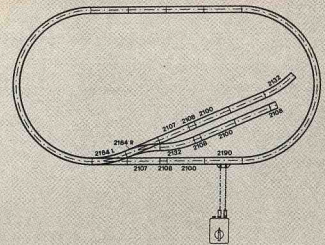


### 2091

**2091 Track extension pack** for extending an oval track. Contents: 8 straight track sections 2100, 2 straight track sections 2107, 4 straight make-up sections 2108, 2 curved track sections 2132, 1 pair of turnouts for manual operation 2164, instructions for extending the layout

*The track extension pack 2091 can be used for extending the track layouts in gift sets 2800—2818 and 3183.*

Some examples of the use of 2091



## Märklin signals 7200 for K + M-tracks

The home light signals and siding signals of the series 7200 are fitted with switches for the traction current, for independent control of the catenary system and the center contacts on the track. The mast of

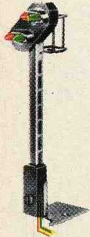
these signals or the light-holder housing of the siding signal 7242, can be set up individually and separated from the signal operation. The bracket 7230 is required for fixing the masts. The ground connec-

tion for track sections of series 2100 is through the base plates 7531, 7532, 7533, or by wire, and for track sections of series 5100 and 5200 by wire.

### 7236

**7236 Warning light signal** · Signal lights change from amber/amber (caution) to green/green (proceed) using 4 bulbs · Only for connection to the home light signal 7239 · Used with fixing bracket 7230 · Width  $\frac{5}{8}$ " · Length  $1\frac{1}{8}$ " · Height  $2\frac{1}{2}$ "

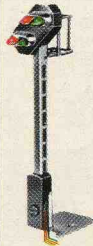
⊙ = 60202 green  
= 60204 amber



### 7237

**7237 Warning light signal** · Signal lights change from amber/amber (caution) to amber/green (proceed with caution) using 4 bulbs · Only for connection to the home light signal 7240 · Used with fixing bracket 7230 · Width  $\frac{5}{8}$ " · Length  $1\frac{1}{8}$ " · Height  $2\frac{1}{2}$ "

⊙ = 60202 green  
= 60204 amber

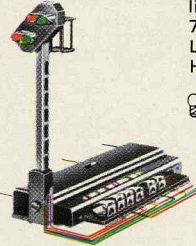


### 7238

**7238 Warning light signal** · Signal lights change from

amber/amber (caution) to green/green (proceed) or amber/green (proceed with caution) using 4 bulbs · Double solenoid operation for the green/amber setting · For use with light home signal 7241 · Width  $1\frac{1}{8}$ " · Length  $2\frac{3}{4}$ " · Height  $2\frac{1}{2}$ "

⊙ = 60202 green  
= 60204 amber

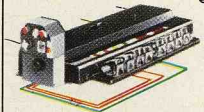


### 7242

**7242 Siding signal, dwarf version** · Signal lights changes from

red/red (stop) to white/white (proceed with extreme caution) and the traction current is controlled by double solenoid operation · Two light bulbs provide the signals · Additionally, a lever for manual operation · With  $1\frac{1}{8}$ " · Length  $2\frac{3}{4}$ " · Height  $\frac{3}{4}$ "

⊙ = 60200



### 7245

**7245 Universal remote control switch** with 2 single-pole switches and a change-over switch for various circuits · Operated by double solenoid · Can be set by means of switching track sections, the control

panel or an extra, manually operated lever · The instructions provided explain the various applications · Width  $1\frac{1}{8}$ " · Length  $2\frac{3}{4}$ " · Height  $\frac{3}{8}$ "



### 7239

**7239 Light home signal** · Signal lights change from red (stop) to green (proceed), with traction current controlled by a double solenoid · 2 bulbs · Additionally, a manually operated switch · Width  $1\frac{1}{8}$ " · Length  $2\frac{3}{4}$ " · Height  $3\frac{1}{2}$ "

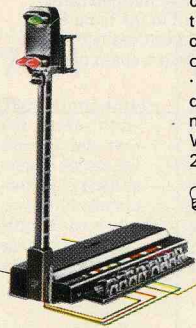
⊙ = 60201 red  
= 60202 green



### 7240

**7240 Light home signal** · Signal lights change from red (stop) to green/amber (proceed with caution), with control of the traction current by operation of a double solenoid · 3 bulbs · Additionally, a manually operated lever · Width  $1\frac{1}{8}$ " · Length  $2\frac{3}{4}$ " · Height  $3\frac{1}{2}$ "

⊙ = 60201 red  
= 60202 green  
= 60204 amber



### 7241

**7241 Light home signal** · Signal lights change from red

(stop) to green (proceed) or green/amber (proceed with caution), with control of the traction current by double solenoid in addition for the green/amber setting · 3 bulbs · 2 additional manually operated levers · Width  $1\frac{1}{8}$ " · Length  $3\frac{3}{4}$ " · Height  $3\frac{1}{2}$ "

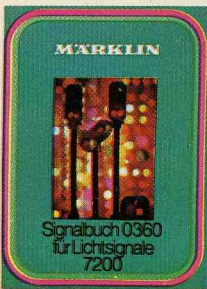
⊙ = 60201 red  
= 60202 green  
= 60204 amber



Insulators for center track conductors, terminals for central track conductors and instructions are included with the home signals 7239, 7240, and 7241.

### 0361

Märklin signal manual for K-tracks · For description see page 68

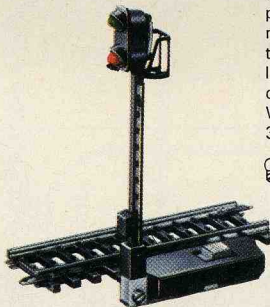


### 7539

**7539 Light home signal** · Signal light changes from red

(stop) to green (proceed) by manual operation with simultaneous control of the traction current in the center track conductor which is permanently connected · Additional track section  $3\frac{1}{2}$ " long with interrupted center conductor · Width 2" · Length  $3\frac{1}{2}$ " · Height  $3\frac{1}{2}$ "

⊙ = 60001 red  
= 60002 green



7539 for K-tracks only

### 7230

**7230 Fixing bracket** · Is required with the mast of light signals 7238, 7239, 7240, 7241 and the siding signal 7242, if they are set up separated from the solenoid drive



### 7531

**7531 Base plate** for connecting the warning light signals of series 2100



### 7532

**7532 Base plate** for connecting the light signals 7238, 7239, 7240 and 7242 to track sections of series 2100



### 7533

**7533 Base plate** for connecting the light home signal 7241 to track sections of series 2100



## Märklin catenary system for M-track 5100/5200

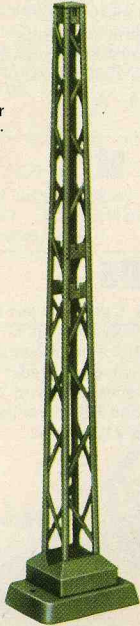
The electric locomotives can pick up their current from the overhead contact wire with the same reliability as from the stud contacts. All that has to be done is switch over a small lever on the loco-

motive. With the Märklin system it makes no difference in which direction the locomotive is placed on the track. It is advisable to connect the catenary system to

a separate transformer. Two trains can then run independently of one another on the same track using the catenary system and the stud contacts.

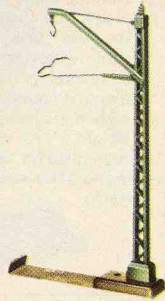
### 7021

**7021 Tower mast** with recesses for supporting the cross spans 7016 or 7017 and the cantilever support arm 7025 for the catenary system · Base 1" x 1 1/4" · Height 7 1/2" · For tower mast with lights, see page 66



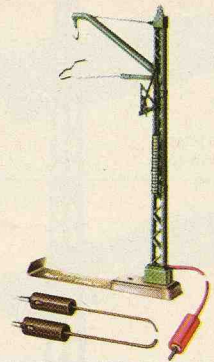
### 7009

**7009 Catenary mast** · Basic unit · Height 4 3/8"



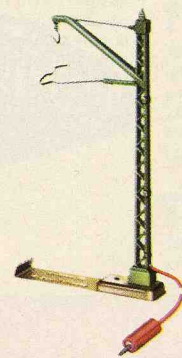
### 7010

**7010 Feeder mast** for supplying current, with 2 cables and instructions for using the catenary system · Height 4 3/8"



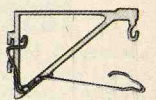
### 7012

**7012 Feeder mast** for signals, with 1 cable · Height 4 3/8"



### 7025

**7025 Cantilever support arm** · A single track passing by the tower mast can be connected to the catenary system by this cantilever support arm 7025



### 7003

**7003 Catenary system feeder cable** for connection to signals when tower masts are used and for supplying current to any point · Length 24"



### 7005

**7005 Catenary set** for train control for signals of the 7000 series which are not mounted on tower masts · Consisting of 2 feeder masts 7012, 2 insulator pieces 7022 and 2 contact wire sections 7014

The overhead contact wires with their tensioning and cross span connectors are arranged exactly like the real thing. That is why the Märklin Catenary system appears so realistic both when it is above open tracks and particularly where spanning station tracks. The contact wire sections are for use both with M-tracks and K-tracks. The spring contact wire holders on the masts ensure reliable con-

tact with the contact wires. The ingenious snap-plug connectors enable the contact wire sections, e. g. 7013 and 7023, always to be pushed through to the required length. The contact wires are flexible and can be adapted to any curve without the use of any auxiliary equipment. The longest contact wire section 7019 is intended for long straight runs. Using the tower masts

7021 and 7521 and the cross spans 7016, any width of tracks can be spanned. 4 tracks need one cross span and two towers and each extra 4 tracks need a further cross span and tower mast. For single tracks passing by a tower but not between two towers, the overhead contact wires can be mounted on the cantilever arms 7025 and 7525.



## Märklin catenary system for K-track 2100

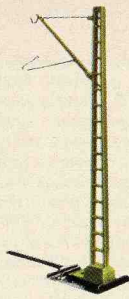
### 7521

**7521 Tower mast** with recesses to support the cross spans 7016 or 7017 and the cantilever support arm 7525 of the catenary system · Base  $1\frac{1}{2}'' \times 3\frac{1}{4}''$  · Height 6'' · With base plate for fastening to series 2100 tracks



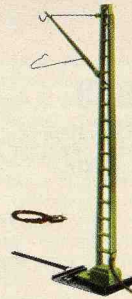
### 7509

**7509 Catenary mast** · Basic unit for the construction of a catenary system for track sections of the series 2100 · Height  $3\frac{7}{8}''$  · With base plate for fastening to the track



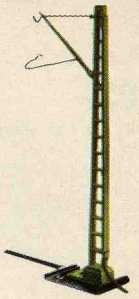
### 7510

**7510 Feeder mast** with red cable with plug connected to the mast · Brown cable with plug · Instructions for building the catenary system are included · Height  $3\frac{7}{8}''$  · with base plate for fastening to 2100 series tracks



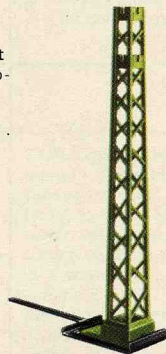
### 7512

**7512 Feeder mast** with red cable attached to connect the catenary system to the home signals · Height  $3\frac{7}{8}''$  · With base plate for fastening to 2100 series tracks



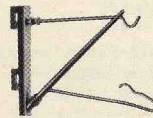
### 7524

**7524 Lattice mast** with recesses to support one or two cantilever arms 7525 · Height  $3\frac{3}{4}''$  · With base plate for fastening to the series 2100 tracks



### 7525

**7525 Cantilever support arm** for suspending single or double catenary wires, in conjunction with tower mast 7521 or lattice mast 7524



### 7505

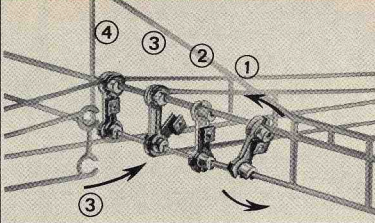
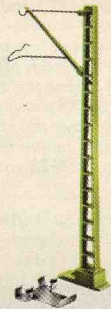
**7505 Catenary set** for train control for light home signals of the 7200 series, which are not mounted on tower masts · Consisting of 2 feeder masts 7512, 2 insulator pieces 7022 and 2 contact wire sections 7014 · For use with track sections of the 2100 series

## Märklin catenary system for K + M-tracks

All contact wire sections are nickel plated.

### 7511

**7511 Bridge mast** For attaching to the side of plastic bridges and ramps · Height  $3\frac{7}{8}''$



### 7004

**7004 Fastening kit** · Consisting of 5 bolts, 5 nuts and 5 washers · Only used in exceptional cases where it is not possible to make a reliable joint in contact wire sections by the usual method

### 7006

**7006 Contact wire insulator** · Insulating contact wire section from cross spans · One required for each track and cross span  $\cdot 5\frac{1}{8}'' \times 1\frac{1}{4}''$



### 7013

**7013 Contact wire section** for plug connection, especially for turnouts · Length  $9\frac{1}{2}''$



### 7014

**7014 Contact wire section** · Female portion (for plug connection) · Length  $4\frac{1}{2}''$



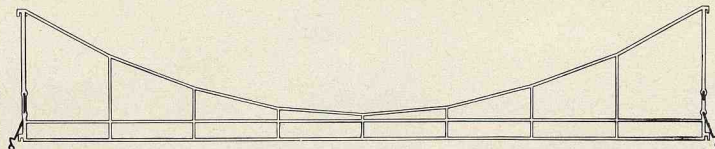
### 7015

**7015 Contact wire section** · Male portion (for plug connection) · Length  $4\frac{1}{2}''$



### 7016

**7016 Cross span** · For hooking into tower masts · Spans about 4 tracks · Span  $15\frac{1}{2}''$



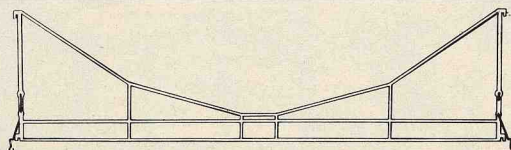
### 7022

**7022 Insulator section** · Male portion (for plug connection) for interrupting the overhead conductor current · Length  $4\frac{1}{2}''$



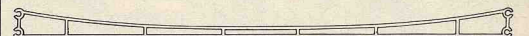
### 7017

**7017 Cross span** · For hooking into tower masts · Spans about 3 tracks · Span 11''



### 7018

**7018 Contact wire section** for straight and curved track sections · Length  $10\frac{3}{4}''$



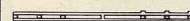
### 7019

**7019 Contact wire section** for straight track only · Length  $14\frac{1}{2}''$



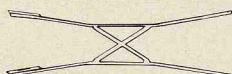
### 7023

**7023 Make-up section** for plug connection · Length 4''



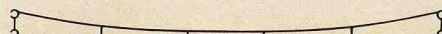
### 7277

**7277 Crossing section** for 2159, 2160, 5114, 5128, 5207 and 5211



### 7278

**7278 Contact wire section** for use over the inner track curve on curved double-track sections of series 2100 · Length  $9\frac{1}{4}''$



## Märklin bridges in plastic for K + M-tracks

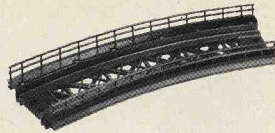
With these Märklin bridge parts any size or combination of bridges and ramps can be built. The pier constructional elements 7252 and 7253, which fit together like building blocks, enable piers of any height

to be built up in steps of  $\frac{1}{8}$ ". When using the base plate 7251 in conjunction with the base plate 7250, it is even possible to raise the height by steps of  $\frac{1}{8}$ " at a time. For fixing the pier sections on the

base plate and fixing the sections together, the use of buttonhead screws is recommended.

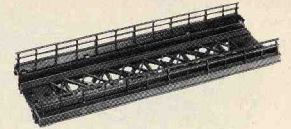
### 7267 K + M

**7267 Curved ramp section** · Grey · Radius of curvature 14" · For use with plastic or metal tracks · 3 clamps for fixing the K-track · Length and radius as for track sections 2121 and 5100



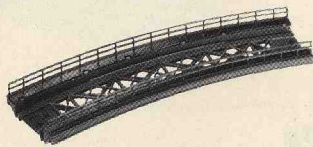
### 7268 K + M

**7268 Straight ramp section** · Grey · For use with plastic or metal tracks · 3 clamps for fixing the K-track · Length 7"



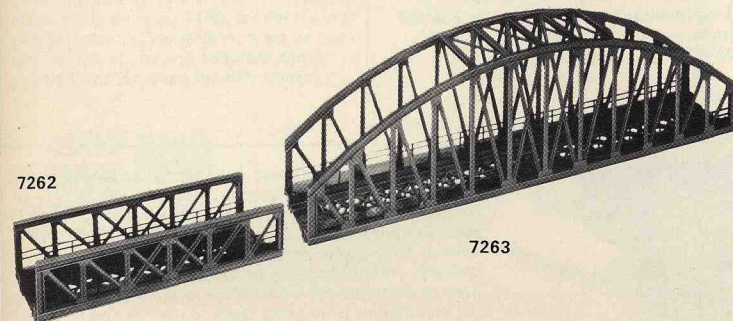
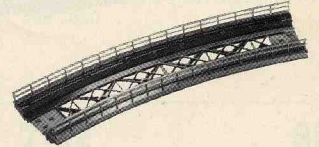
### 7269 7269 for M only

**7269 Curved ramp section** · Grey · Radius of curvature 17" · For metal tracks 5200 only · Angle subtended 30°



### 7569 7569 for K only

**7569 Curved ramp section** · Grey · Radius of curvature 16" · For plastic track only · 3 clamps for fixing the track sections · Length and radius as for track section 2131



7262

7263

### 7262 K + M

**7262 Truss bridge** · Grey · Can be used on its own or with arch bridge 7263 · For use with plastic or metal tracks · 3 clamps for fixing K-tracks and instructions for building the bridge · Height  $1\frac{3}{4}$ " · Length 7"

### 7250

**7250 Base plate** ·  $\frac{1}{10}$ " high · Light brown · Can be used as foundation

### 7251

**7251 Base plate** ·  $\frac{1}{8}$ " high · Light brown · To be used only in conjunction with 7250



### 7263 K + M

**7263 Arch bridge** · Grey · For use with plastic or metal tracks · 6 clamps for fixing K-tracks and instructions for building the bridge · Height of arch  $4\frac{1}{2}$ " · Length 14"

### 7252

**7252 Pier** ·  $\frac{1}{4}$ " high · Grey · Suitable for building ramps with  $\frac{1}{4}$ " rise from one pier to the next



### 7253

**7253 Pier** ·  $1\frac{1}{4}$ " high · Grey

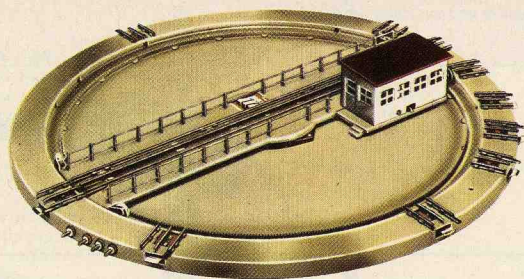


### 7234

**7234 Base plate** · For fixing signal masts of the 7200 signal series to bridges



## Remote controlled turntable

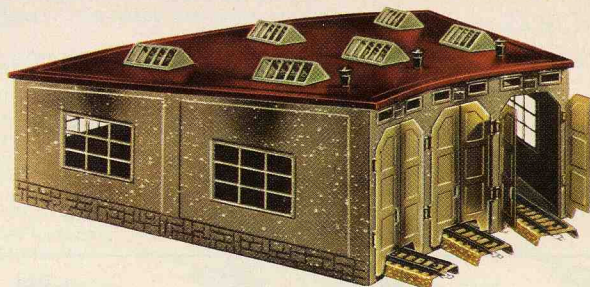


### 7186

**7186 Turntable set** · Consisting of turntable with outside diameter of 14", turning in either direction by remote control, with change-over switch and lead · Current is automatically cut off from all tracks not in contact with the turntable track

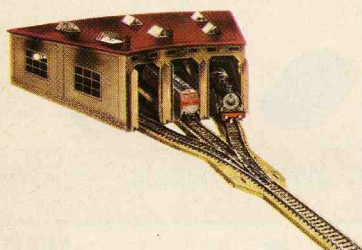
**Adapter track section 2191** (see page 55) enables K-track 2100 to be connected to the turntable 7186.

## Locomotive roundhouse

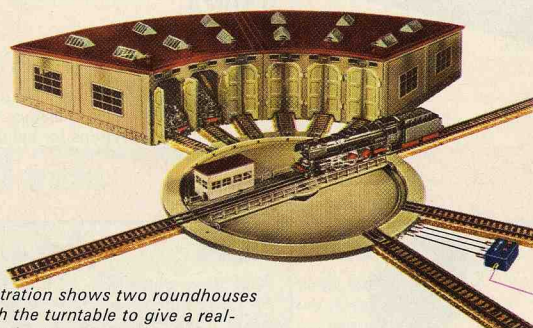


### 7028

**7028 Locomotive roundhouse** with 3 automatically closing doors for 3 tracks (track sections not included) · Size 18" x 14 1/2" · Height 5 1/4"



*Suggested combination of engine shed 7028 with three-way turnout 5214.*



*This illustration shows two roundhouses used with the turntable to give a realistic reproduction of the original.*

*A turntable and roundhouse help to complete your model railway. The turntable is used to enable locomotives to be turned round on the spot, so that they have the smoke stack in front in the direction of travel. Most steam locomotives have higher authorised speeds when travelling forwards and not backwards. In addition, the turntable is used to distribute the locomotives to the 3 or 6 tracks in the roundhouse or to guide them to the right track for their departure. The current is cut off all tracks not in contact with the turntable track.*

## Remote controlled slewing crane



### 7051

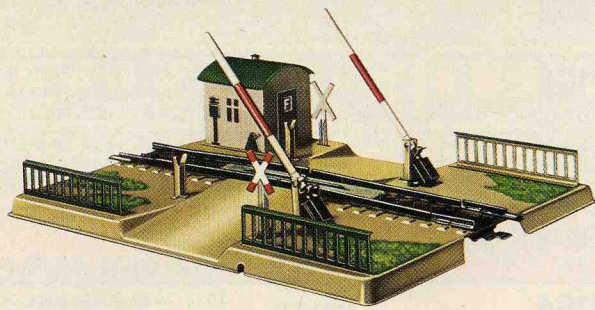
**7051 Remote controlled slewing crane with lifting magnet** · One motor rotates the boom, another raises and lowers the load · Load hook and lifting magnet enable iron or iron-containing objects to be transferred by remote control · Boom adjustable manually for elevation · Working light in the control cab · Height 10 1/2" · Base 3 1/2" x 3 1/2" · 1 combined control and switch panel · Price does not include locomotive, cars or track

⊙ = 60 000

*Whoever wants to load and unload his freight trains properly, needs this crane. The lifting magnet will of course lift only iron, but other things besides "scrap iron" and "pigiron" can still be loaded. A couple of small screws, screwed inconspicuously into wood, and everyone is surprised to see the magnet lift a wooden crate or plank out of a track on to a freight car. A slewing crane not only extends the interesting variations in the operation of a model railway since all the operations can be remotely controlled, but it adds realism to the transport procedure.*



## Grade crossings with automatic barriers



### 7390

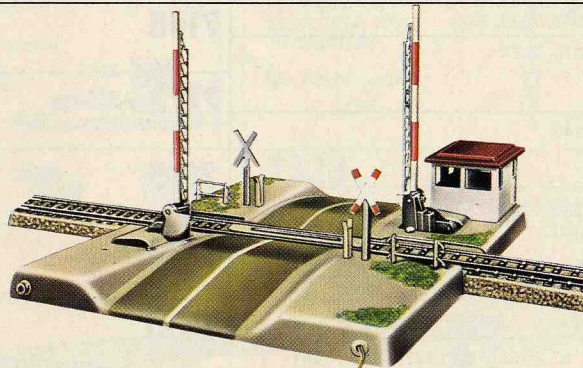
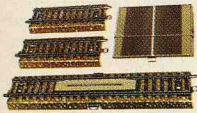
**7390 Mechanically operated grade crossing** for single-track lines, with M-track section · The barriers are closed by floating bars pressed down by the wheels of the passing train · The length of track section in the grade crossing is equal to the length of a track section 5106 · Base  $4\frac{3}{4}'' \times 7''$

*Guarded grade crossings with automatic barriers. As soon as the train approaches the crossing and runs on to the contact track sections, the barriers close. They open again only after the last car has left the last section of contact track after the crossing.*

**Adapter track section 2191** (see page 55) enables K-track 2100 to be connected to the grade crossings 7192 and 7390.

### 7193

**7193 Extension set** for the fully automatic grade crossing 7192, for each extra parallel track · Consisting of a set of contact track sections and adapters which can be fitted between the two tracks



### 7192

**7192 Fully automatic grade crossing** with M-track sections · The set consists of 2 electromagnetically operated barriers with guard shed (designed to take interior lighting), warning crosses and a set of contact track sections (2 straight track sections long)

## Contact track sections

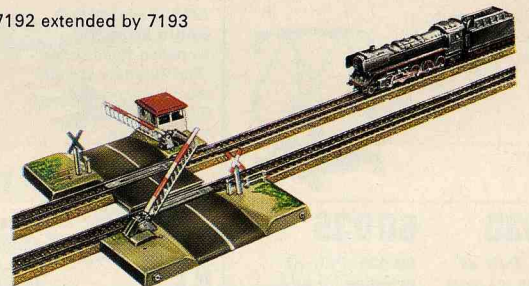
### 5115

5115 Straight · Length 7"



These M-track sections 5115 and 5116 are for extending the contact sections of the grade crossing 7192.

Grade crossing 7192 extended by 7193



*The grade crossing 7192 in conjunction with the extension set 7193 can also be arranged for use with more than one track. In this case, it still operates automatically.*

### 5116

5116 Curved · Radius 14"



## Accessories for remote operation

### 7072

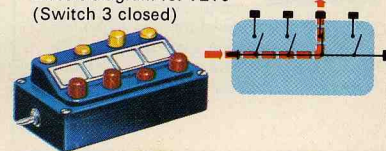
**7072 Control panel** with 8 sockets for connecting 4 items operated magnetically by double solenoids · The positions of the push-buttons indicate the settings of the signals, turnouts, etc. · Length  $3\frac{1}{4}''$  · Width  $1\frac{3}{4}''$



### 7210

**7210 Switch panel** for distributing the traction or lighting current to 4 different leads by indicator push-buttons · Length  $3\frac{1}{4}''$  · Width  $1\frac{3}{4}''$

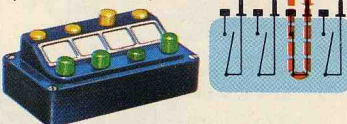
Circuit diagram for 7210 (Switch 3 closed)



### 7211

**7211 Switch panel** for switching 4 different traction or lighting circuits on and off by indicator push buttons · Length  $3\frac{1}{4}''$  · Width  $1\frac{3}{4}''$

Circuit diagram for 7211 (Switch 3 closed)



## Warning bells for tracks of all gauges

### 7209

**7209 Distributor panel** · With 11 single-pole sockets · Size  $2'' \times 3\frac{1}{4}''$



### 7222

**7222 Warning bell** with two-tone ring · Operated by hand crank · Height 4" · Base diameter  $1\frac{1}{2}''$



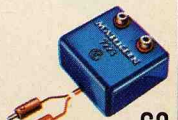
### 7221

**7221 Warning bell** with two-tone ring · Solenoid operated · Operating voltage 16 V · Operated from control panel · Height  $1\frac{5}{8}''$  · Diameter 2"



### 7223

**7223 Suppressor** For suppressing radio interference by Märklin railroads, as required by the official regulations on the operation of high-frequency equipment · It is incorporated between the transformer and the track system ·  $1\frac{7}{16}'' \times 1\frac{3}{8}'' \times 3\frac{3}{4}''$



### 7229

**7229 Distributor panel** with 5 cable terminals connected in series · Length  $1\frac{1}{2}''$  · Width  $\frac{3}{8}''$












### 7228

**7228 Connecting panel** with 5 cable terminals insulated from one another · Length  $1\frac{1}{2}''$  · Width  $\frac{3}{8}''$



## Light bulbs

for items as follows

<b>60 000</b> 2161, 3015, 4081, 5117, 5128, 5140,		5202, 7036, 7037, 7038, 7039, 7040, 7041, 7042, 7051, 7077, 7191, 7280, 7281, 7282, 7283, 7284
<b>60 001</b>		3071, 3076, 7079, 7188, 7339, 7539 (red)
<b>60 002</b>		7188, 7339, 7539 (green)
<b>60 010</b>		3000, 3003, 3016, 3021, 3031, 3046, 3047, 3064, 3065, 3072, 3095, 4018, 4506, 5113, 7046, 7047, 7048, 7323
<b>60 015</b> 3022, 3030, 3034, 3035, 3036, 3037, 3038, 3039, 3040, 3041, 3043, 3044,		3050, 3054, 3055, 3060, 3066, 3067, 3068, 3071, 3075, 3076, 3078, 3085, 3086, 3089, 3091, 3094, 3096, 3098, 4044, 4053, 4060, 4089, 6600, 7197, 7320, 7322, 7324
<b>60 020</b>		7073, 7074
<b>60 200</b>		7242
<b>60 201</b>		7239, 7240, 7241 (red)
<b>60 202</b>		7187, 7236, 7237, 7238, 7239, 7240, 7241 (green)
<b>60 204</b>		7187, 7236, 7237, 7238, 7240, 7241 (orange)

**7218**  
7218 Pantograph, double arm · 1 cheese-head screw



**7219**  
7219 Pantograph, single arm · 1 cheese-head screw · The catenary system must be very carefully set up when 7219 is used

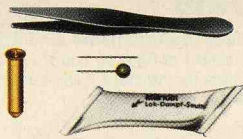


**60 030**  
60 030 Pair of brushes for most HO gauge locomotives



**60 035**  
60 035 Pair of brushes for locomotive 3015

**7226**  
**NEW**  
7226 Smoke set · Consisting of smoke unit (to fit locomotive 3085), replacement steam pipe, cleaning wire, pair of tweezers and a capsule of smoke fluid



## Rubber tires

for locomotives

<b>7152</b>	3085, 3086, 3089, 3091, 3094, 3098
<b>7153</b> 3003, 3015, 3016, 3022, 3030, 3034,	3035, 3036, 3037, 3038, 3039, 3040, 3041, 3043, 3046, 3047, 3050, 3054, 3064, 3065, 3095, 3096
<b>7154</b>	3000, 3021, 3031, 3044, 3055, 3060, 3066, 3067, 3068, 3071, 3072, 3075, 3076, 3078, 3080, 3087, 3090

## Current pick-up shoes

for locomotives, cars, lighting

<b>7164</b> 3016, 3022, 3034, 3035, 3036, 3037,	3038, 3039, 3040, 3041, 3043, 3050, 3054, 3055, 3066, 3067, 3068, 3071 front, 3072, 3075, 3076, 3085, 3096
<b>7166</b>	3044, 3078, 3080, 4060
<b>7173</b>	3030
<b>7175</b>	3015, 3046, 3047, 3071 rear, 4018, 4044, 4053, 4081, 4089, 7197, 7198, 7320, 7322, 7323, 7324
<b>7183</b>	3021
<b>7185</b>	3000, 3003, 3031, 3060, 3064, 3065, 3086, 3087, 3089, 3090, 3091, 3094, 3095, 3098

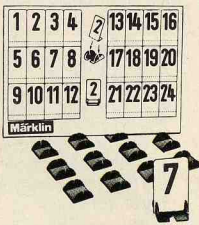
## Reverser unit springs

**7194**  
Pack with 5 springs for reversing switch

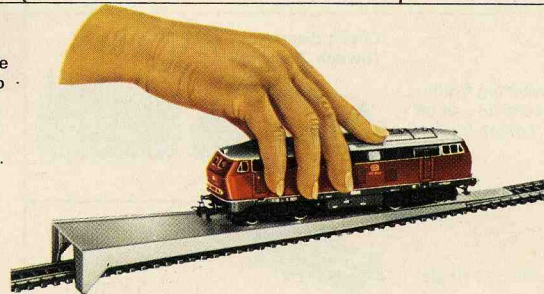
Instructions for fitting rubber tires, current pick-up shoes, light bulbs and reverser unit springs are given in the "Instructions for Use".

**Whistle**  
for Märklin locomotives, see page 65

**7195**  
7195 Number plate set · For identifying turnouts and signals in the track layout · Contents: 12 bases with slots to hold the numbers 1-24 which are provided



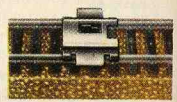
**7224**  
7224 Locomotive positioning ramp · Made of plastic · Facilitates placing multi-axle rolling stock on the track · Length 12" · Height 1"



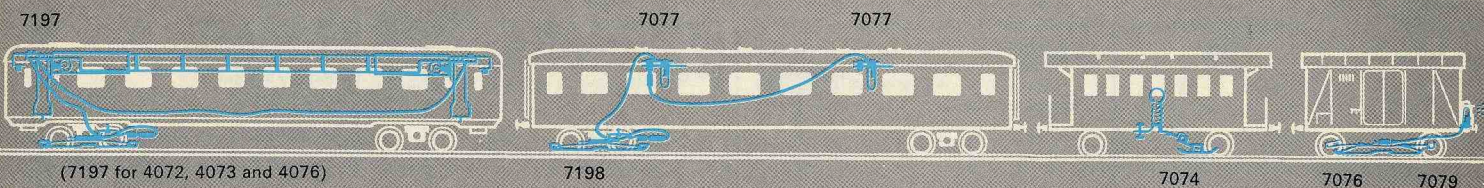
**0241**  
0241 Smoke fluid in plastic capsule as refill for locomotives 3046, 3047 and 3091 fitted with smoke units



**7001**  
7001 Coupling gauge made of nickel-plated steel sheet, for locomotive and car couplings



## Electric lighting on train



### 7076

**7076 Pick-up shoe** for taillight 7079 when used on passenger cars 4000 and 4040 and two-axle freight cars

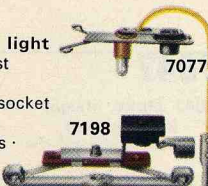


### 7198

**7198 Pick-up shoes** for interior light fitting 7077  = 7175


### 7077

**7077 Interior light fitting** for most long-distance coaches · With socket for connecting additional lights · Light bulb  = 60000




### 7079

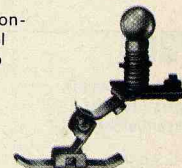
**7079 Taillight** with bulb · Clips on to buffer · For use on cars with metal buffers only · For connecting up it requires 7074, 7076, 7077 or 7198

 = 60001 (red)





### 7074

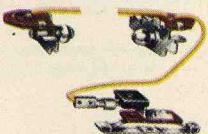
**7074 Interior light fitting** for passenger cars 4004, 4005, 4079 and 4080 · With socket for connecting additional lights · Light bulb  = 60020



### 7322



**7322 Interior lighting set** for TEE coach 4090 · Consisting of pick-up shoes 7198, 2 lamp sockets and 2 bulbs · Instructions for installation are included

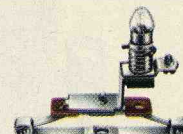
 = 7175  
 = 60015



### 7323



**7323 Interior light fitting** for cars 4007 and 4008, with light bulb

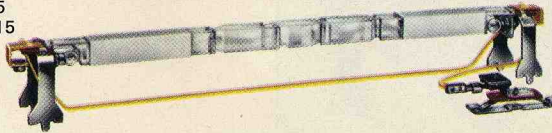
 = 7175  
 = 60010



### 7197

**7197 Interior lighting set** for long-distance coaches 4072, 4073 and 4076 · Consisting of pick-up shoe 7198, light diffuser, 2 lamp sockets and 2 bulbs · Instructions for installation are included



 = 7175  
 = 60015

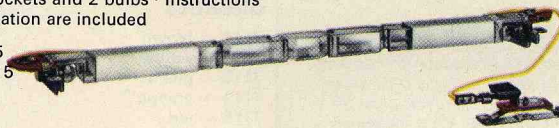


### 7320

**7320 Interior lighting set** for TEE coaches 4085, 4086, 4087, 4088 and long-distance coaches 4049, 4054, 4064, 4066, 4069 and 4078 · Consisting of pick-up shoe 7198, light diffuser,



2 lamp sockets and 2 bulbs · Instructions for installation are included

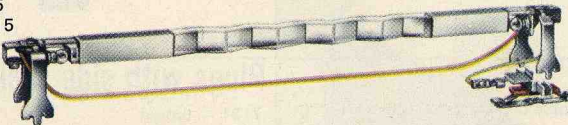
 = 7175  
 = 60015



### 7324

**7324 Interior lighting set** for long-distance coaches 4091, 4092, 4093 and 4094 · Consisting of pick-up shoe, light diffuser, 2 lamp sockets and 2 bulbs · Instructions for installation are included

 = 7175  
 = 60015



## Whistle attachment for Märklin locomotives

A number of Märklin locomotives (see text under 7213) have provision for mounting the whistle 7213. By incorporating the whistle switch 7215 between transformer and track the whistle can be sounded on the locomotive with the trac-

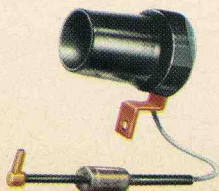
tion current switched off. For sounding the whistle while the train is running, the whistle actuator 7216 is required. It should be arranged between transformer and whistle switch.

The whistle can also be sounded while the locomotive is halted by a signal with automatic train control. For this the halt control 7217 is required. Its two leads connect the controlled track section in front of the signal, with the remainder of the track system.

It is also possible for the locomotive to sound its whistle automatically by using the universal remote control switches 7045 or 7245 (see pages 54 and 58) and contact and/or switching track sections (see pages 50 and 55).

### 7213

**7213 Whistle**, complete · Suitable for fitting without any soldering to Märklin locomotives 3022, 3034, 3035, 3036, 3037, 3038, 3039, 3040, 3043, 3050, 3054, 3055, 3060, 3066, 3067, 3068, 3071 and 3075 and some models of the locomotive 3021 · On the other locomotives 3021, a single soldered joint is required · Installation instructions are included · The loudness of the whistle is reduced if light bulbs, e. g. coach interior lighting, are connected in the same circuit



### 7215

**7215 Whistle switch** for sounding the whistle while the train is stopped · Three leads, yellow, brown and red, each with plug · Dimensions 3" x 2 1/8" x 1" · Detailed operating instructions are included with the whistle switch.



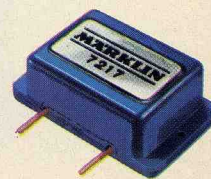
### 7216

**7216 Whistle actuator** · In conjunction with whistle switch 7215, it enables the whistle to be sounded when the locomotive is stopped or running · One red lead with plug · Dimensions 2" x 1 1/4" x 1"




### 7217

**7217 Halt control** is required in addition to the whistle actuator 7216 if the whistle is to be sounded in a section of track from which the current has been switched off, e. g. in front of a signal · 2 red leads with plugs · Dimensions 2" x 1 1/4" x 3/8"



**7280**  
**7280 Street light, modern style** · Height 4<sup>5</sup>/<sub>8</sub>" · Base diameter 1"  
 ⚡ = 60000



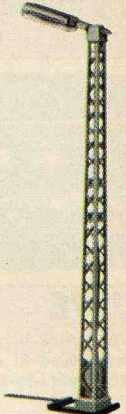
**7281**  
**7281 Station platform light, branched** · Height 3<sup>7</sup>/<sub>8</sub>" · Base diameter 1"  
 ⚡ = 60000



**7282**  
**7282 Square and street light, branched** · Height 4<sup>3</sup>/<sub>4</sub>" · Base diameter 1"  
 ⚡ = 60000



**7283**  
**7283 Lattice mast light** · Mounted on lattice mast · With base plate for mounting on to K-tracks · Can be used with a catenary system · Height 6<sup>3</sup>/<sub>4</sub>"  
 ⚡ = 60000




**7284**  
**7284 Sidewalk light** · Height 2<sup>1</sup>/<sub>2</sub>" · Base diameter 3<sup>3</sup>/<sub>5</sub>"  
 ⚡ = 60000



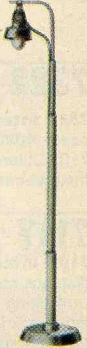
**7046**  
**7046 Arc light with lattice mast** · Can be used with a catenary system for M-tracks · Height 8<sup>1</sup>/<sub>4</sub>" · Base 1" x 1<sup>1</sup>/<sub>4</sub>"  
 ⚡ = 60010



**7047**  
**7047 Light** · Height 5" · Base diameter 1<sup>1</sup>/<sub>8</sub>"  
 ⚡ = 60010




**7048**  
**7048 Arc light** · Height 6<sup>1</sup>/<sub>4</sub>" · Base diameter 1<sup>1</sup>/<sub>4</sub>"  
 ⚡ = 60010




**Commonly used lead colors for Märklin circuits**


**Leads**  
*The copper conductor in this stranded lead consists of 24 separate strands each of diameter 0.004", giving a total cross-section adequate for all loads, even for a short-circuit with a 40 VA transformer.*

**Sockets**  
 7111 — brown  
 7112 — yellow  
 7113 — green  
 7114 — orange  
 7115 — red  
 7117 — grey




**7073**  
**7073 Lamp socket with bulb and lead** for stations, freight sheds etc.  
 ⚡ = 60020




 Red = For running trains (from transformer to center rail or catenary contact wire)

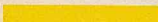
**7100**  
**Lead** · Single conductor · Grey · 33 ft long

**Plugs with side sockets**  
 7131 — brown  
 7132 — yellow  
 7133 — green  
 7134 — orange  
 7135 — red  
 7137 — grey




**7140**  
**7140 Adapter for connecting two sockets or plugs**




 Yellow = Lighting and solenoid-operated equipment

**7101**  
**Lead** · Single conductor · Blue · 33 ft long

 Brown = Ground lead from tracks, lighting sockets or control panel to transformer


**7102**  
**Lead** · Single conductor · Brown · 33 ft long

 Blue = Ground lead from solenoid operated equipment to control panel or switching track (with green red and orange plugs)

**7103**  
**Lead** · Single conductor · Yellow · 33 ft long

**7105**  
**Lead** · Single conductor · Red · 33 ft long

**7000**  
**7000 Staples** · Bag of 50 · For fastening leads to a wooden base



## The heavy-duty Märklin transformers

The reliable insulation, tested at several thousand volts, makes every Märklin transformer absolutely safe. Furthermore, a built-in circuit-breaker switches off the current if there is a short-circuit in the layout or if the transformer is overloaded. The transformer can be plugged into the mains supply by means of the titted cable and plug just as easily as any standard lamp.

The speed of the locomotives increases with the transformer output voltage, i. e. they go faster as the red control knob is turned to the right and slower as it is turned to the left. If the control knob is turned momentarily past the zero position on the left, the 24 V reversing circuit is activated and the locomotive reverses direction (The «engineer» is built-in). Trains can be run at a still slower speed

with the 30 VA transformers of the 6600 series than with the 16 VA transformers of the 6500 series. We guarantee trouble-free operation of our railroads only when genuine Märklin transformers are used.

The Märklin transformers of series 6500 and 6600 have connectors for train and lighting/solenoid operated equipment supply. For A. C. mains only

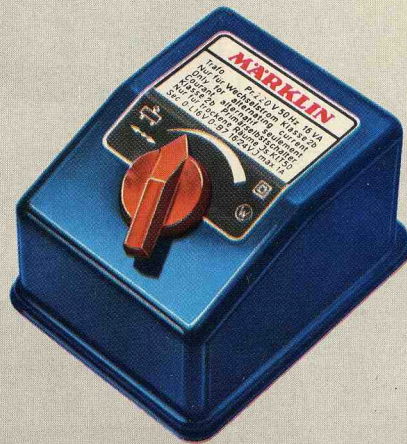
### 16 VA

Transformer · Output 16 VA · Sheet metal casing · Weight 3 lbs · Dimensions 4<sup>3</sup>/<sub>4</sub>" × 3<sup>3</sup>/<sub>4</sub>" × 3"

- 6500** = 100 volts for Japan
- 6501** = 110 volts
- 6505** = 125 volts
- 6507** = 115 volts for USA

- 6509** = 240 volts for England
- 6511** = 220 volts
- 6514** = 220 volts for Finland

When ordering please quote the number corresponding to the required mains voltage.



16 VA

### 30 VA

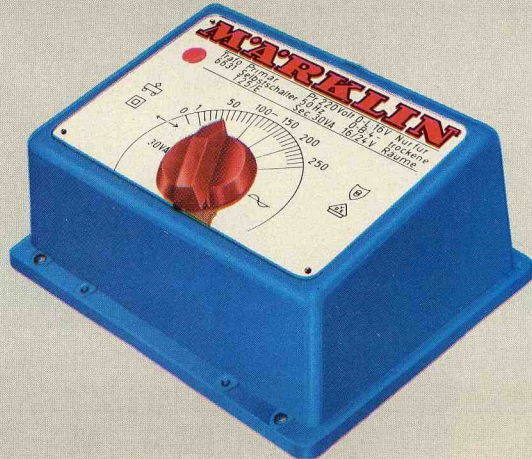
Transformer · Output 30 VA · Traction voltage adjustable between 4 V and 16 V · Lighting voltage 16 V · Plastic casing · Red pilot light · Weight 4<sup>1</sup>/<sub>2</sub> lbs · Dimensions 6<sup>3</sup>/<sub>8</sub>" × 5<sup>1</sup>/<sub>4</sub>" × 3"

⊕ = 60015

- 6620** = 100 volts for Japan
- 6621** = 110 volts
- 6625** = 125 volts

- 6629** = 240 volts for England
- 6631** = 220 volts
- 6153** = 110 volts for USA

When ordering please quote the number corresponding to the required mains voltage.



30 VA

## Transformers for lighting

### 40 VA

Transformer for lighting and solenoid operated equipment · Output 40 VA · Output voltage 16 V A.C. approx. · Plastic casing · Weight 4 lbs 6 oz · Dimensions 6<sup>3</sup>/<sub>8</sub>" × 5<sup>1</sup>/<sub>4</sub>" × 3"

### NEW

- 6611** = 220 volts

#### Power requirements for locomotives and lights

##### Examples:

This is how you can calculate how many items can be connected to the transformers; the 3-axle tender locomotive 3000 takes about 9 VA, the express diesel locomotive 3021 about 12 VA and the heavy express steam locomotive 3085 about 15 VA. Any transformer capacity left over by the locomotives can be used for lighting the trains or the layout, with 1 VA counted as the power required for each bulb.

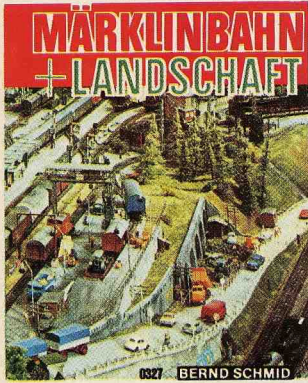
The transformer in the gift sets on page 13 has the same advantages as the transformers described here. The only difference is its lower output.



40 VA

## 0327 NEW

**0327 "Märklin Railroad + Landscape"** by Bernd Schmid · An outstanding aid in designing your own model railroad system · The construction of an HO gauge system is described down to the last detail · The book is copiously illustrated with some of the pictures in color · Technical details, track layout, landscape planning and the finishing touches to the system are dealt with thoroughly by an acknowledged expert on model railroads · It is a real mine of information for any model railway enthusiast · 192 pages · Format 6 1/2" x 8" · German text



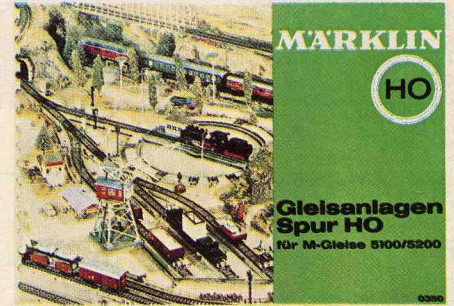
## 0380

**0380 "Märklin HO Railroads and their Originals"**, a handbook for the Märklin model railroad fan · Among the contents: suggestions for designing landscaped model railroad layouts, the Märklin locomotives and cars and the originals on which they are modelled, signals, railroad regulations and procedures, examples of circuits, e. g. simultaneous operation of several trains, and much more besides · 228 pages · Format 9 1/2" x 6" · German text



## 0351 M

**0351 "Märklin HO Gauge Track Layouts for M-tracks 5100 and 5200"** · Apart from 20 track plans and detailed suggestions for construction, many combinations of turnouts and signals are explained and all possible variations shown · With 13 full-color pictures of model track layouts · The text contains plenty of suggestions on how to plan even the biggest layouts · 86 pages · Format 8 1/4" x 11 3/4"



## 0371 K

**0371 "Märklin HO Gauge Track Layouts for K-track 2100"** · With full-color illustrations and detailed track plans for 16 comprehensive layouts, including catenary system · The various circuits are shown in different colors · This publication also contains many plans of track and turnout combinations · An outstanding guide to the building of layouts, even large ones · 52 pages · Format 8" x 12"



## 0361 K

**0361 Märklin Signal Manual** · This explains in detail, with the aid of 6-color illustrations, how signals and universal remote control switches of the 7200 series are incorporated into a system and used · 48 pages · Format 7" x 9 1/2"



## 0321 M

**0321 "Märklin HO Gauge Track Layouts for M-tracks 5100 and 5200"**, with 16 simple track plans · This gives a good review of the design of track layouts, and their variants · 24 pages · Format 6" x 8 1/4"



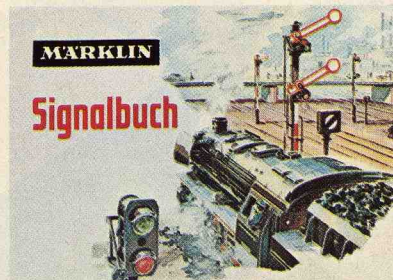
## 0379 K

**0379 "Märklin HO Gauge Track Layouts for K-track 2100"** contains 7 simple track plans · 20 pages · Format 6" x 8 1/4"



## 0341 M

**0341 Märklin Signal Manual** · This explains in detail, with the aid of 6-color illustrations, how signals and universal remote control switches of the 7000 series are incorporated into an M-track system and used · 44 pages · Format 6" x 8 1/4"



**Märklin Brochures**  
Available only from your Märklin dealer



The magazine for all model rail-  
roaders, young and old, reports on  
interesting topics connected  
with model railroads

*The Märklin Magazine contains reports on real railroad practice and model railroad operation in interesting and stimulating articles. A lively well-illustrated magazine, it provides much worthwhile information for all model railroad enthusiasts, it gives useful hints and tips, it makes what seems complicated understandable, in short, with it, every model railroader can become a perfect model railroader. The Märklin Magazine is published quarterly in German. An annual subscription makes a welcome present.*

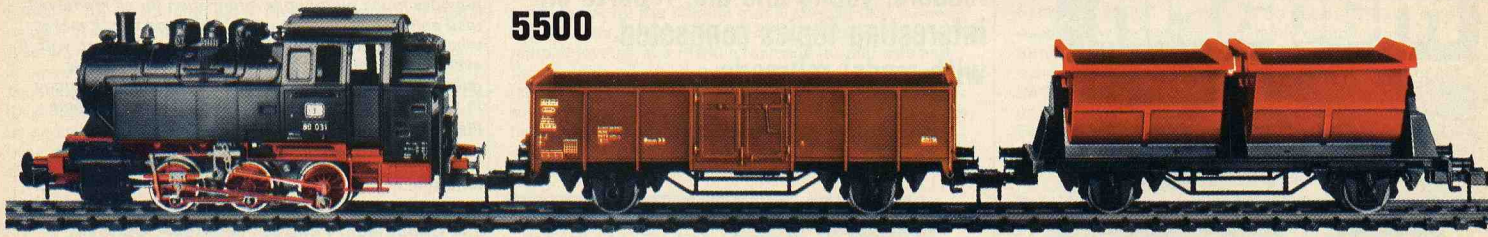
Available from:

**Modellbahnen-Welt Verlags-GmbH,**  
732 Göppingen, Postfach 940, West Germany  
or from your Märklin dealer, or through bookshops.

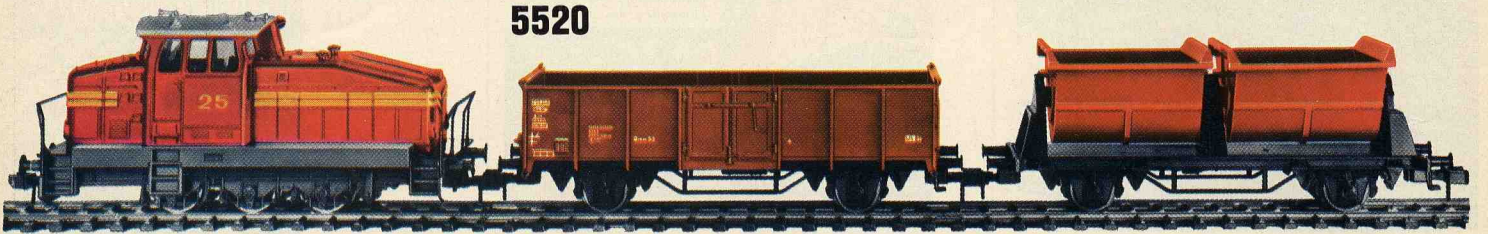


## Train sets

The Märklin transformers 6153 and 6620—6631 are suitable for operating I gauge locomotives.



**5500**



**5520**

### 5500

**5500 Freight train (without transformer)** · With tank locomotive 5700, 1 open freight car 5850, 1 dump car 5859, 2 straight track sections 5900, 12 curved track sections 5921 and 1 feeder connector 5604 · Length of train 40"

### 5520

**5520 Freight train (without transformer)** · Comprising diesel locomotive 5720, 1 open freight car 5850, 1 dump car 5859, 2 straight track sections 5900, 12 curved track sections 5921 and 1 feeder connector 5604 · Length of train 40"

### 5521

**5521 Freight train (without transformer)** · Comprising simplified diesel locomotive, 1 dump car 5859, 12 curved track sections and 1 feeder connector 5604 · Length of train 25"

## Tank locomotive

### 5700

**5700 Tank locomotive** · A model of the 0—6—0 type German Federal Railways' Class 80 · 2 rubber tires for increased traction force · Simulated Heusinger valve gear · Reversing by remote control · Three working headlights at each end · Mat black plastic body · Opening cab doors · Windows of plastic sheet · Die-cast zinc frame · Automatic coupling and sprung buffer at each end · Length over buffers 12"

Ⓚ = 60015



## Tank locomotive

### 5702

**5702 Tank locomotive** · 0—6—0 type · 2 rubber tires for increased traction force · Simulated Heusinger valve gear · Reversing by remote control · Three working headlights at each end · Plastic body, black boiler, dark green water tank and cab, brass-coloured window frames and hand rails · Opening cab doors · Windows of plastic sheet · Die-cast zinc frame · Automatic coupling and sprung buffer at each end · Length over buffers 12"

Ⓚ = 60015



## Diesel locomotive

### 5720

**5720 Diesel locomotive** · A model of an 0—6—0 type industrial locomotive · 2 rubber tires for increased traction force · Reversing by remote control · Three working headlights at each end · Red plastic body with two yellow horizontal stripes · Opening cab doors · Windows of plastic sheet · Die-cast zinc frame · Automatic coupling and sprung buffer at each end · Length over buffers 12"

Ⓚ = 60015

### 60 041

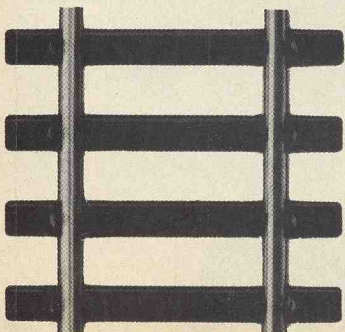
Pair of motor brushes for I gauge locomotives



## Comparison of sizes :

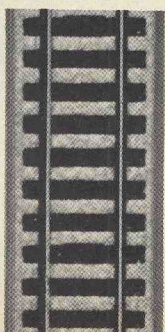
I Gauge 45 mm (1<sup>3</sup>/<sub>4</sub>" )

5900

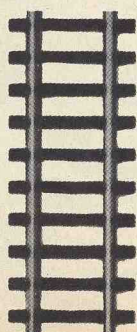


H0 Gauge 16,5 mm (5<sup>5</sup>/<sub>8</sub>" )

5100 M

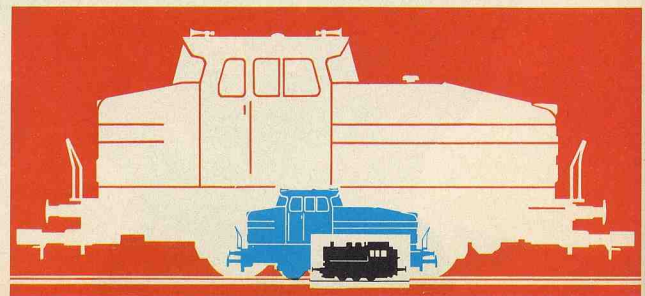


2100 K



mini-club 6,5 mm (1<sup>7</sup>/<sub>64</sub>" )

8500

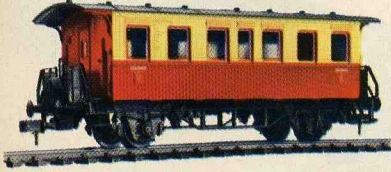




## Passenger cars with interior furnishings

### 5800

**5800 Passenger car** · Modelled on a private railroad car · 2 opening doors · Simulated roof ventilators · Windows inset in plastic frames · Interior furnishings simulating wooden seats · 12 1/4" long



### 5801

**5801 Passenger car** · Modelled on an original of the former Royal Württemberg Railway · Otherwise similar to 5800

### 5850

**5850 Open freight car** · A model of the German Federal Railways' type Omm 55 · 12 1/4" long



### 5851

**5851 Open freight car** · A model of a Belgian State Railways (SNCB) freight car · 12 1/4" long

### 5855

**5855 Open freight car** · Car body orange · Frame black · 12 1/4" long

### 5856

**5856 Open freight car** · Car body light green · Frame black · 12 1/4" long

### 5860

**5860 Box car** · A model of the German Federal Railways' (DB) type G1s · Opening doors on both sides · 12 1/4" long



### 5861

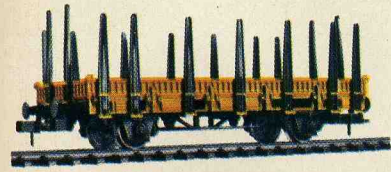
**5861 Beer car** · A model of a private car belonging to the Dortmunder Union Brewery · Opening doors on both sides · 12 1/4" long



## Freight cars

### 5853

**5853 Flat car** · With removable stanchions · 12 1/4" long



### 5859

**5859 Dump car** · Two independent hoppers dump to either side · Latch holds hoppers in upright position · 12 1/4" long



### 5862

**5862 Beer car "Staufenbräu"** · Opening doors on both sides · 12 1/4" long



## Track sections

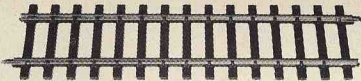
The rails, mounted on plastic ties, not only guide the wheels but also supply the power to the locomotives. The track sections

are connected by the rails plus a clip on the base of the plastic tie strip. The rails are made of solid corrosion resistant

sections, so that the track can even be laid in the garden. Outside diameter of the rail circle 4 1/2".

### 5900

**5900 Track section, straight** · 12" long



### 5908

**5908 Track section, straight** · 3 1/4" long



### 5909

**5909 Isolating track section, straight** · For isolating individual track sections electrically · 3 1/4" long



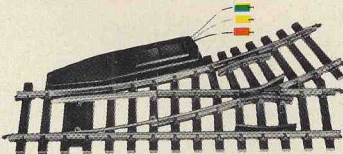
### 5921

**5921 Track section, curved** · Radius 24" · Curve 30°



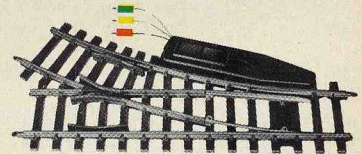
### 5962

**5962 Solenoid operated left-hand turnout** · Operated by double solenoid · Sprung switch points · Crossing angle 30° · Radius of curved rails 24" · Length of straight track 12"



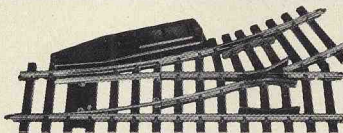
### 5963

**5963 Solenoid operated right-hand turnout** · Operated by double solenoid · Sprung switch points · Crossing angle 30° · Radius of curved rails 24" · Length of straight track 12"



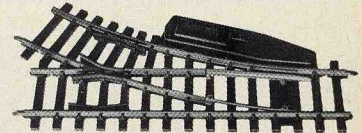
### 5965

**5965 Manual left-hand turnout** · Sprung switch points · Crossing angle 30° · Radius of curved rails 24" · Length of straight track 12"



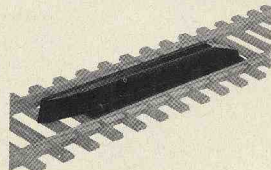
### 5966

**5966 Manual right-hand turnout** · Sprung switch points · Crossing angle 30° · Radius of curved rails 24" · Length of straight track 12"



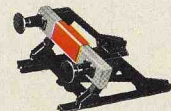
### 5600

**5600 Uncoupler** · To be installed between the two rails of track section 5900 · Releases the coupling in one direction only, thus permitting kicking of the cars · 6 1/2" long



### 5602

**5602 Track end bumper** · Riveted steel construction · Sprung buffers · Clips on to the rails · 3 3/4" long



### 5603

**5603 Clips** · In packs of 28 · For securing the joints between I gauge track sections

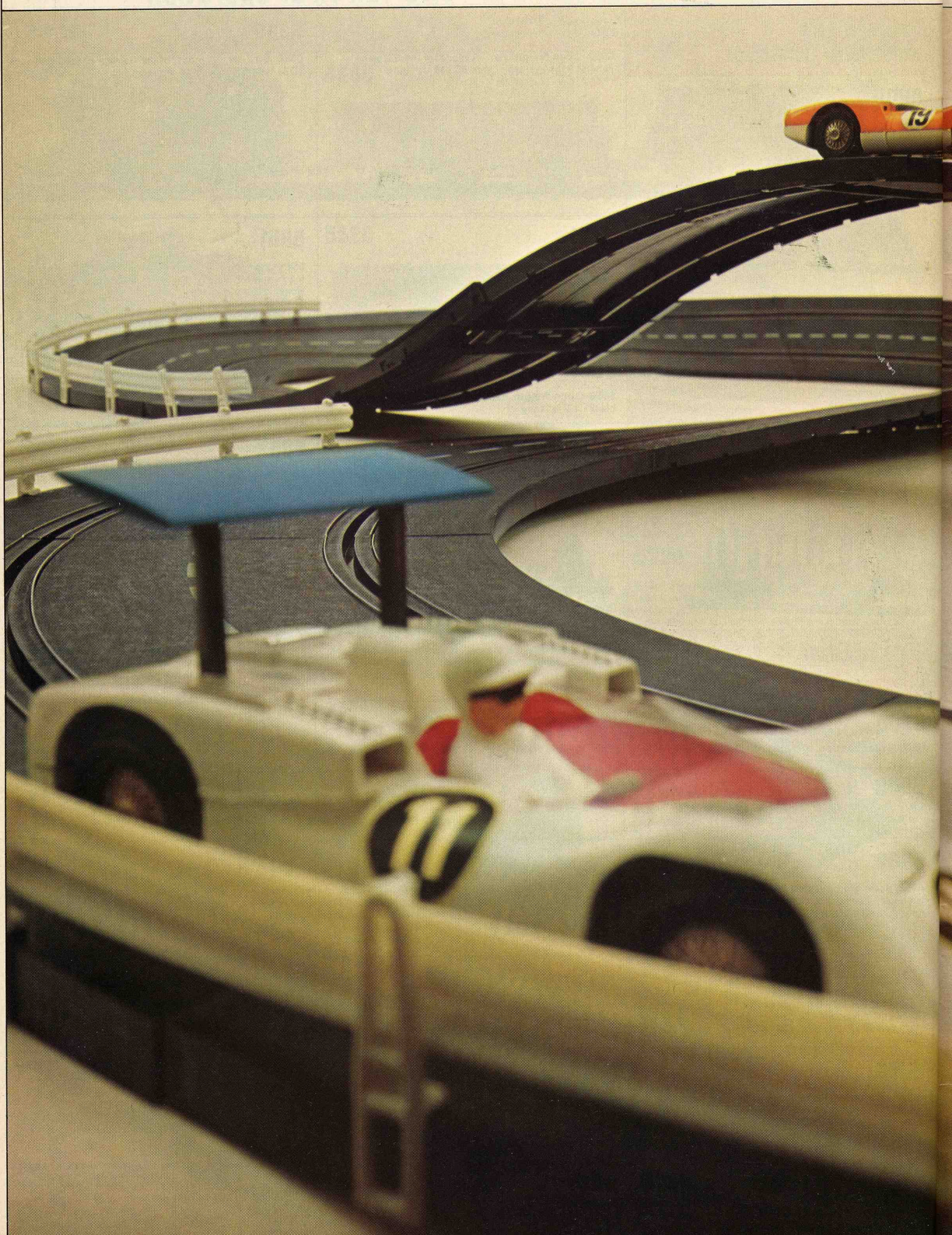


### 5604 NEW

**5604 Power connection fittings** · Comprising 2 connecting terminals with red and brown leads · 3 3/8" long · Incorporating a condenser for radio interference suppression

In spite of the two-conductor rail system, the introduction of reversing loops, crossings and Y-junction tracks into the layout presents no polarity problem, because we have equipped the large Märklin model railroads with A.C. motors,

which means that the advantages of the Märklin HO gauge railroads are also present here. As with the HO gauge, reversing is effected in the locomotive. On the I gauge locomotive too, the "engineer" is built-in.



### The ideal home automobile racing track

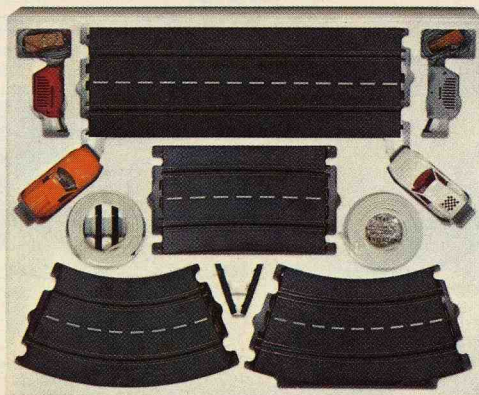
The scale of 1:32 is just right because very little space is needed for the Märklin-Sprint racing track. The course is quickly assembled with reliable, rigid mechanical and electrical connections between the track sections, thanks to the hinged locking couplings and spring conductor contacts. Although no retaining clips are used, the track will stand up well to extended hard racing. The track can be extended to two, four or six lanes, with long straightaways or many banked or unbanked curves. Inclines, overpasses, lane crossovers, with or without automatic braking sections, can be incorporated. Lap counters will indicate the number of laps covered. A comprehensive range of accessories is available to build up the most varied racing circuits, with strong crash barriers for "protection" where necessary. Every Märklin racing car is a miniature masterpiece. The high-speed motor is favorably located at the centre of gravity, providing excellent road holding. Some of the cars have precision stepped gearing attached to the motor which lies lengthwise, giving particularly sensitive response to all voltage variations. It provides short, sharp braking **before** curves and fast acceleration in the curves.

Other sprint cars, those with motors lying transversely, reach very high speeds in the straights, so that they can do very fast lap times, particularly on lengthy layouts with few curves. Another feature typical of the superior Märklin quality is the solid, short skid-type pickup with compensating suspension system. This ensures positive contact and reliable and maintained power supply, with the feeder rails and pickups cleaning themselves at the same time. The tires of the car can be changed and adapted to the surface characteristics of the track.

The speed controller is designed to provide infinitely variable speed regulation, or to increase speed by steps. In addition, by using the built-in emergency stop-button, you can develop your own individual driving technique. The speed controller lead can be connected to the track at the point which seems to the "driver" to be tactically the most favorable.

A host of valuable hints and tips for designing exciting courses are contained in the interesting Märklin-Sprint Manual. It also covers various "racing rules" for different types of racing on your own track, providing thrilling entertainment for all participants, young and old alike. Running the small fast racing cars with the merry, exciting struggle for victory is something quite different from the creative planning which characterises model railways as a hobby. Because these two hobbies are so basically different, they complement one another, as a change.

### Gift Sets



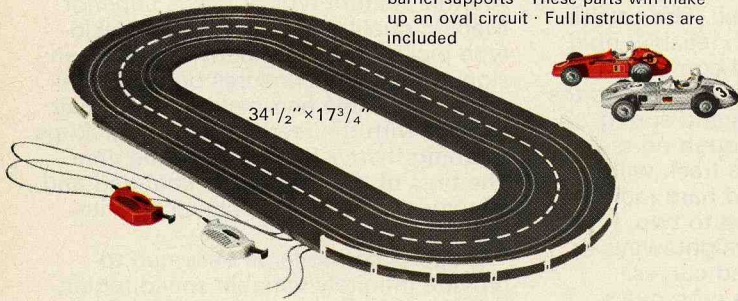
Märklin-Sprint automobile racing tracks are fitted with suppressors to meet the regulations, and are marked to that effect.



All Märklin-Sprint sets come in attractive gift boxes. Ask your local dealer for the racing track sets with this picture.

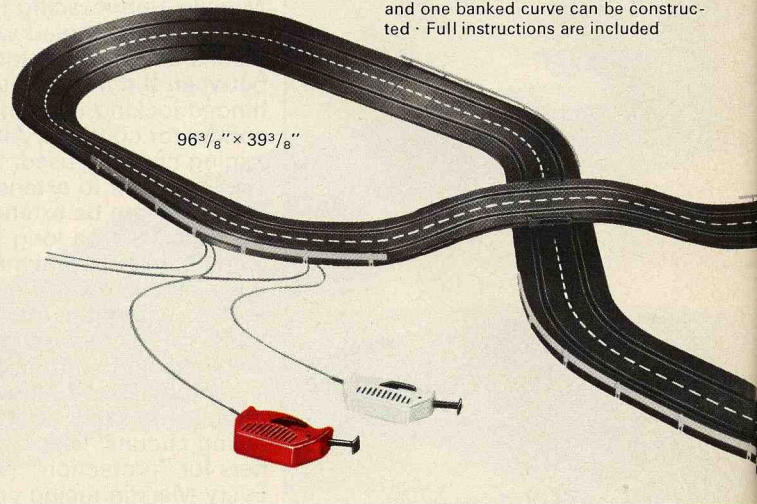
## 1400

**1400 Racing track set** · Comprising two formula racing cars, one Mercedes Monoposto and one Ferrari Super-squalo, two speed controllers, one red and one grey, 4 straight course sections 1200 and 4 curved course sections 1220, together with crash barriers and 20 crash barrier supports · These parts will make up an oval circuit · Full instructions are included



## 1405

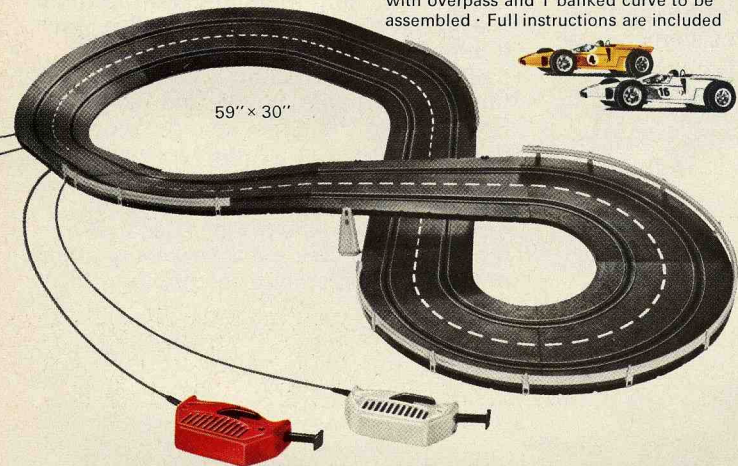
**1405 Racing track set with 1 banked curve** · Comprising 1 white and 1 orange-coloured Mercedes C 111, 1 red and 1 grey speed controller, 2 straight course sections 1200, 4 straight course sections



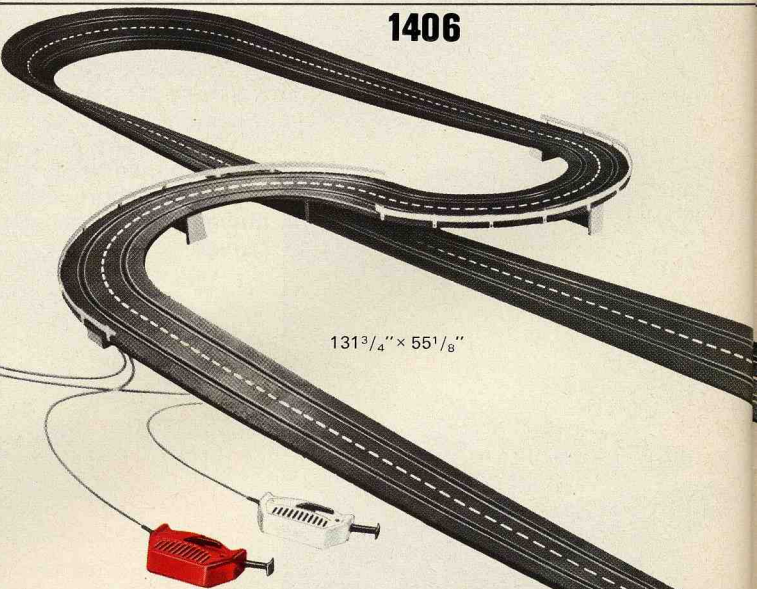
1201, 2 straight sections 1205, 8 curved course sections 1248, 2 banking approach course sections 1290, 2 levelling out sections for end of banking 1291, crash barriers, 30 crash barrier supports, 4 fish-plates 1547 and 2 clips · With these parts, a figure-eight course with an overpass and one banked curve can be constructed · Full instructions are included

## 1409

**1409 Racing track set with 1 banked curve** · Comprising 2 Mc Namara racing cars, 1 red and 1 grey speed controller, 2 straight course sections 1200, 2 straight course sections 1201, 2 straight course sections 1206, 3 curved course sections 1220, 2 curved course sections 1241, 4 banked curve sections 1248, crash barriers, 19 crash barrier supports, 3 banked curve supports and 1 fishplate 1547 · These parts enable a figure-eight course with overpass and 1 banked curve to be assembled · Full instructions are included



## 1406

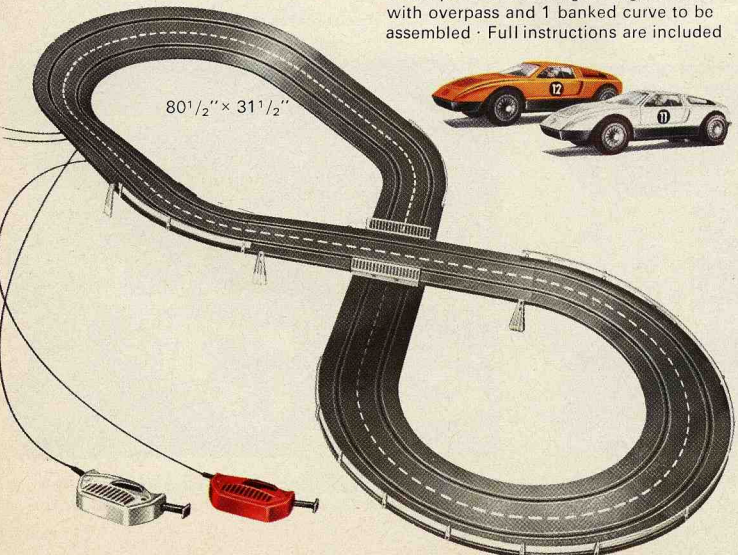


**1406 Racing track set with 2 banked curves** · Comprising 1 white Chaparral sports car, 1 orange-coloured open sports car, 1 red and 1 grey speed controller, 4 straight course sections 1200, 10 straight course sections 1205, 8 curved course sections 1241, 8 banked curve sections 1248, 2 each of piers

1 1/16", 1 7/8" and 2 3/8" high, crash barriers, 30 crash barrier supports and 4 bank curve supports · These parts enable a large figure-eight course with an overpass and two banked curves to be assembled · Full instructions are included

## 1412

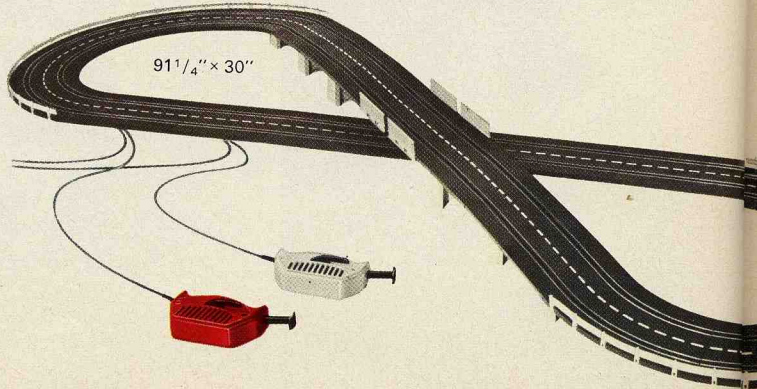
**1412 Racing track set with 1 banked curve** · Comprising 2 Mercedes C 111 sports cars, 1 red and 1 grey speed controller, 2 straight course sections 1205, 4 straight course sections 1206, 8 curved course sections 1241, 4 banked curve sections 1248, crash barriers, 22 crash barrier supports, 2 bridge parapets, 1 fish-plate 1547 and 5 banked curve supports · These parts enable a figure-eight course with overpass and 1 banked curve to be assembled · Full instructions are included



## 1410

**1410 Racing track set** · Comprising 2 Porsche 911 T Targa Sports cars, 1 red and 1 grey speed controller, 4 straight course sections 1205, 4 straight course

sections 1206, 10 curved course sections 1241, 2 each of piers 1 1/16", 1 7/8" and 2 3/8" high, 4 bridge parapets, crash barriers and 50 crash barrier supports · These parts enable a large figure-eight course with overpass to be assembled · Full instructions are included



The front wheels are steered by the slots in the course. Accurate reproduction of the suspension arm assembly. Current pickup by 2 sprung skids.

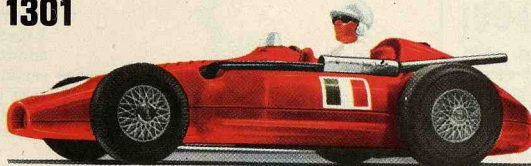
**1300 Formula racing car** · A model of the Mercedes W 196 Monoposto · Driven through multi-ratio gear-box · Silver-color plastic body · 5" long · Spare tires for this car: front 1500, rear 1501 or 1504

**1300**



**1301 Formula racing car** · A model of the Ferrari Supersqualo · Driven through multi-ratio gear-box · Red plastic body · 5" long · Spare tires for this car: front 1500, rear 1501 or 1504

**1301**



**1305 Sports car** · A model of the Porsche Carrera 6 · Driven through multi-ratio gear-box · Red plastic body · Cockpit enclosed by clear plastic hood · 5 1/8" long · Spare tires for this car: front 1500, rear 1503

**1305**



**1308 Sports car** · A model of the Jaguar E-type · Swing front axle · Driven through spur gears · Red plastic body · Inset windows · 5 1/4" long · Spare tires for this car: front 1500, rear 1503

**1308**



**1310 Sports car** · A model of the Porsche 911 T Targa · Swing front axle · Driven through spur gears · Orange plastic body · Inset windows · 5" long · Spare tires for this car: front 1500, rear 1503

**1310**



**1311 Sports car** · A model of the Mercedes C 111 · Swing front axle · Driven through spur gears · White body · Black chassis · Inset windows · 4 3/4" long · Spare tires for this car: front 1500, rear 1503

**1311**



**1312 Sports car** · Construction as for 1311, but orange body

**1312**



**1314 Sports car** · Construction as for 1305, but with open cockpit with wind-shield · Orange body · White chassis · 5 1/8" long

**1314**



**1315 Sports car** · A model of the Chaparral 2 E with rear stabilising fin · Driven through multi-ratio gear-box · White plastic body · 4 1/2" long · Spare tires for this car: front 1500, rear 1503

**1315**



**1316 Sports car** · A model of the Porsche Carrera 6 · Driven through multi-ratio gear-box · Silver-color plastic body · 2 working headlights · Cockpit enclosed by clear plastic hood · 5 1/8" long · Spare tires for this car: front 1500, rear 1503

**1316**



⚙ = 60000

**1317 Sports car** · Construction as for 1316, but with open cockpit with wind-shield · Red plastic body · 5 1/8" long

**1317**



⚙ = 60000

**1318 Sports car** · Porsche 911 T Targa as police car · Flashing blue light · Swing front axle · Driven through spur gears · Green and white plastic body · Inset windows · 5" long · Spare tires for this car: front 1500, rear 1503

**1318**



⚙ = 60209

**1319 Racing car** · A model of the Mc Namara · Driven through spur gears · Yellow plastic body · 4 7/8" long · Spare tires for this car: 1505

**1319 NEW**



**1320 Racing car** · A model of the Lola T 222 · Driven through spur gears · Plastic body · 5" long · Spare tires for this car: 1505

**1320 NEW**



## Straight sections

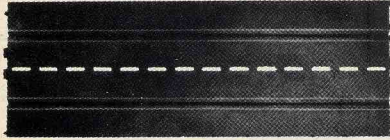
Two lanes · With feeder connection

All course sections are made of rigid plastic with slots for guiding the cars, current being supplied to the cars by contact rails arranged on both sides of the

slots. Snap-on links couple the sections of track together. No additional braces are required. The sections are black with a broken white line in the center.

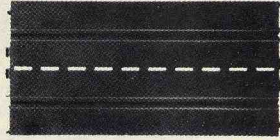
### 1205

16<sup>3</sup>/<sub>4</sub>" long (twice the length of 1200)



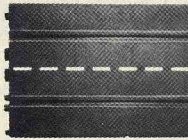
### 1206

12" long (twice the length of 1201)



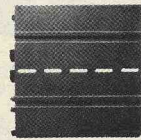
### 1200

8<sup>3</sup>/<sub>8</sub>" long



### 1201

6" long



### 1202

4<sup>3</sup>/<sub>16</sub>" long



### 1203

2<sup>9</sup>/<sub>16</sub>" long

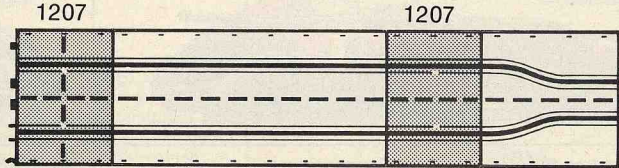
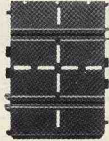


### 1204

1<sup>3</sup>/<sub>4</sub>" long



### 1207

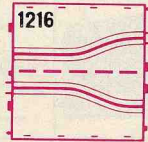
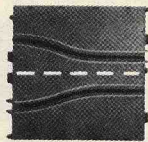


**Controlled zone set** · Comprising 2 sections each 4<sup>1</sup>/<sub>8</sub>" long · For use at approach to chicane or lane-change sections · The first vehicle entering this zone automatically cuts off the power to the other lane and restores it only after leaving the controlled zone

## Chicane, straight section

### 1216

**Chicane, straight section** · Two lanes · Track spacing reduced from 3" to 1<sup>1</sup>/<sub>2</sub>" · 6" long · 2 such track sections are necessary

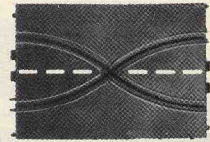


## Change lane section, straight

Change lane sections (1217, 1227, 1247) cannot be used singly · They must either be used in pairs, or in combination with one another.

### 1217

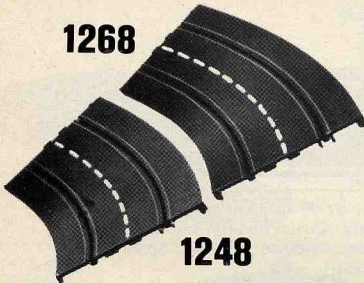
8<sup>3</sup>/<sub>8</sub>" long · Two lanes · The crossing conductor rails are electrically separated from one another



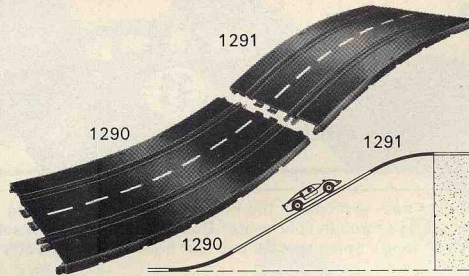
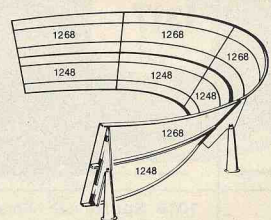
## 45° banked curved course sections

## Inclines

### 1268



### 1248



### 1290

**Straight levelling out section for start of incline** · Two lanes · Concave pattern · Beginning and end of track form an angle of about 30° · 8<sup>5</sup>/<sub>8</sub>" long

### 1291

**Straight levelling out section for end of incline** · Similar to 1290 but convex pattern · Including 1 bracket for stiffening the section

### 1268

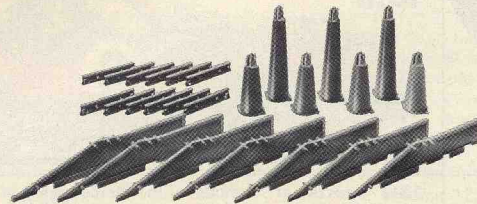
45° banked curved course section · Two lanes · Mean radius 18"

### 1248

45° banked curved course section · Two lanes · Mean radius 12"

### 1546

**Set of banked curve supports** · Comprising 7 cross supports, 3 columns 5" high, 4 columns 3" high and 12 connectors · Plastic · Required for 4 lane banked curves



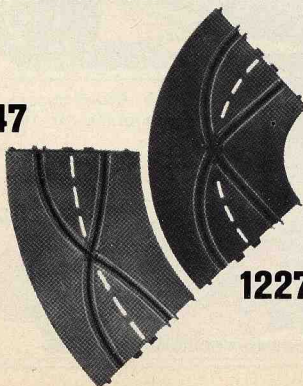
## Curved change lane sections

## Curved course sections

### 1247

45° curved change lane section · Two lanes · Mean radius 12"

### 1247



### 1227

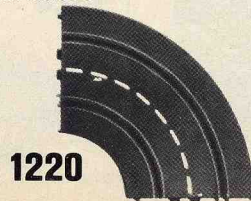
### 1227

90° curved change lane section · Two lanes · Mean radius 6"

The crossing conductor rails are electrically separated from one another.

### 1220

90° curved course section · Two lanes · Mean radius 6"



### 1220

### 1221

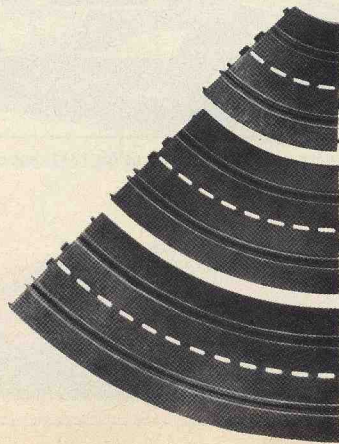
45° curved course section · Two lanes · Mean radius 6"

### 1241

45° curved course section · Two lanes · Mean radius 12"

### 1261

45° curved course section · Two lanes · Mean radius 18"



**6930** = 220 volt  
**6934** = 220 volt for Finland

**6930/6934 Märklin-Sprint power supply unit** for use on 220 volt AC · Output about 14 volts DC · Power output 10 watts · Overload protection by means of automatic current limiter · Sheet metal case · On the output side, 2 pairs of sockets marked "Auto 1" and "Auto 2" · Weight 2 1/4 lb · Dimensions 5" x 3 3/4" x 2 3/10"



**Important: Sprint racing cars must only be operated with D. C. supply.**

### 1592

**1592 Rectifier** · For use in conjunction with Märklin railroad transformers · Dimensions 2 1/4" x 2" x 5/8" · D.C. supply for operating up to 4 cars simultaneously can be taken from the two pairs of sockets "Auto 1" and "Auto 2" · The transformer to be used must be rated 16 VA or more



*The use of this power supply unit 6930/6934 is recommended. If Märklin railroad transformers are used, it is essential to connect the rectifier 1592 between the transformer and the speed controller.*

### 1590

**1590 Speed controller** with connecting fittings · Grey · Ergonomic design · Control key will engage to set various speeds · An emergency stop-button enables the power to be disconnected without losing the control key setting · **Built-in suppressor condenser** · The fittings comprise connector plate with a 2-core lead 4'9" long to the speed controller and another 2-core lead, 3'3" long with plug for connecting to the power supply unit · A speed controller must never be used for more than one car at a time



### 1591

**1591 Speed controller** · Similar to 1590, but red

### 1594 NEW

**1594 Speed controller** with connecting fittings · Large version · 40 Ohms · Electrodynamic brake effective with press key in position of rest · **Built-in suppressor condenser** · The fittings comprise the connecting plate with a 3-core lead to the speed controller and a two-core lead with plugs for connecting to the power supply unit · A speed controller must never be used to control more than one car at a time



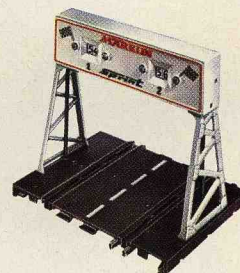
### 1593 NEW

**1593 Starting clock** · To be connected between the power supply unit and the racing track layout · Interrupts the power supply to the racing track layout when the set time, which is adjustable between 0 and 5 minutes by means of a knob, has elapsed · The "off" is given by passing the red "start" button



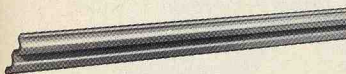
### 1545

**1545 Mechanical lap counter** · Mounted on a 2-lane section 4 1/10" long · Displays up to 99 laps for each lane in either direction · Can be zeroed by hand · 5" high · 6" wide · **A section 1202 is required to compensate for the length** · On multi-lane courses, several lap counters can be arranged in line, side by side



### 1540

**1540 Crash barrier** · Flexible corrugated plastic section · White · 6'3" long



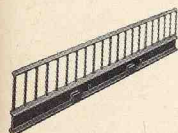
### 1541

**1541 Support for crash barrier** · White plastic · For fixing crash barrier to the course



### 1544

**1544 Bridge parapet** · For reinforcing overpasses · Grey plastic · 5 3/10" long · 1 1/2" high



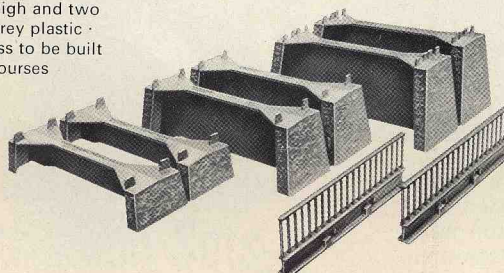
### 1547

**1547 Fishplate** · 2 9/10" long · Black plastic · For connecting two adjoining straight sections and reinforcing the joints



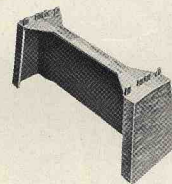
### 1542

**1542 Construction kit for overpass** · Comprising 2 piers 1 1/16" high, 2 piers 1 9/16" high, 2 piers 2 2/5" high and two bridge parapets · All parts grey plastic · Enables a very solid overpass to be built spanning even multi-lane courses



### 1543

**1543 Pier** · 2 2/5" high · Grey plastic · Mounting stubs on top engage in course sections



### Tire sets

#### 1500

Comprising 2 rubber tires 20.5 mm diam. x 6 mm · For models 1300, 1301, 1305, 1308, 1310, 1311, 1312, 1314, 1315, 1316, 1317, 1318

#### 1501

Comprising 2 rubber tires, 23 mm diam. x 7 mm · For models 1300, 1301

#### 1503

Comprising 2 rubber tires, 20.5 mm diam. x 7.6 mm · For models 1305, 1308, 1310, 1311, 1312, 1314, 1315, 1316, 1317, 1318

#### 1504

Comprising 2 rubber tires, 24 mm diam. x 8.4 mm · For models 1300, 1301

#### 1505 NEW

Comprising 2 rubber tires, 20.5 mm diam. x 8.5 mm · For models 1319, 1320

### 0751

**0751 Märklin Sprint Racing Track Manual**, with suggestions for designing racing courses · Includes rules for racing and interesting illustrations · 44 pages · Format 8 1/4" x 11"



### Adaptation pick-up skids

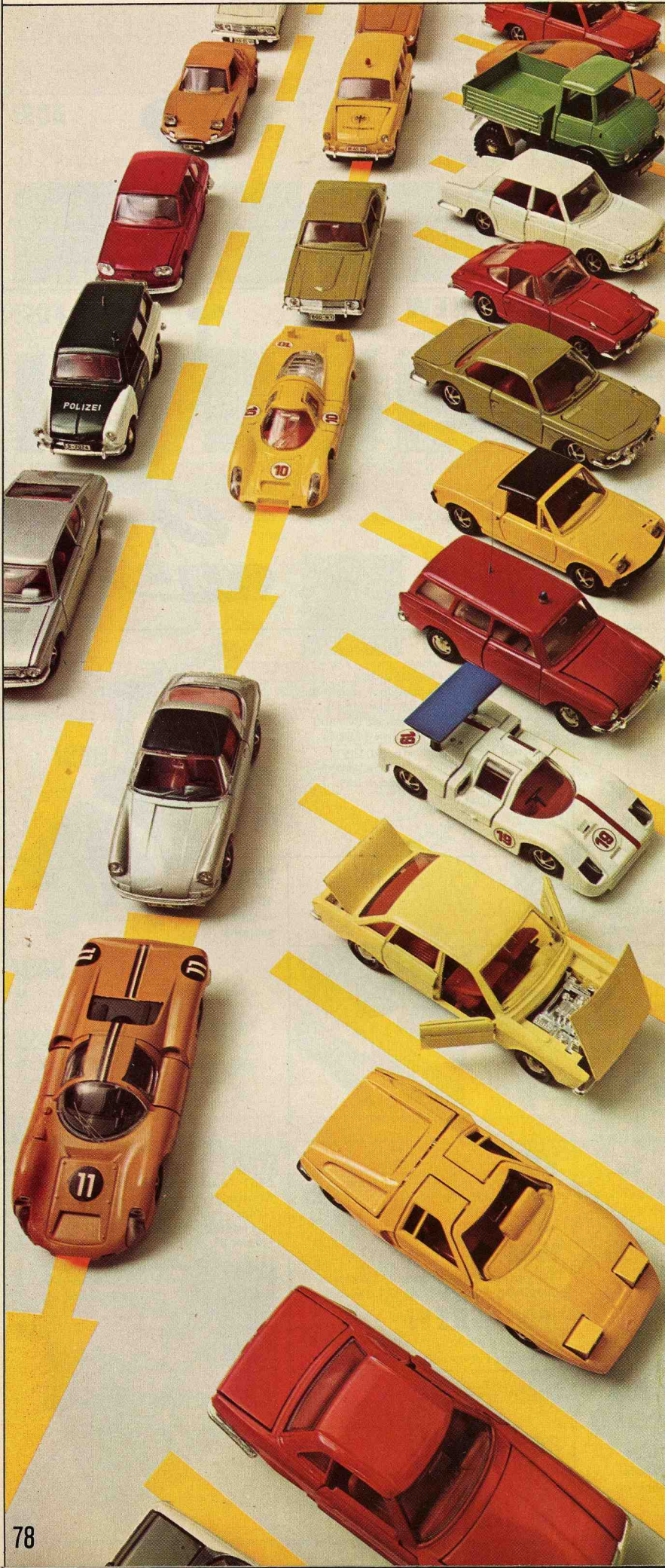
#### 1510

(1 pair) · Mount-on pick-up skids for Märklin-Sprint cars to adapt them for tracks of other makes

### Motor Brushes

#### 60 146

Set of two brushes for Märklin-Sprint car motors



**Märklin miniature automobiles made of die-cast zinc with moving parts and special wheel fittings**

These models are precision engineered down to the last detail. Opening doors, hoods and trunk lids etc., glazed windows. Full interior fittings. "rak" models have a special finish to ensure particularly smooth running. "rak" — that is Real Automobile Knack.

**Ask your dealer for the special prospectus giving the complete range of Märklin "rak" miniature automobiles.**

**1973 Range**

- 1800 Porsche 911 T Targa
- 1801 BMW 2000 CS
- 1802 Chaparral 2 F
- 1803 Ford OSI 20 MTS
- 1804 BMW 2800 CS
- 1805 VW-Variant 1600
- 1807 VW-Variant 1600 — fire brigade
- 1808 VW-Variant 1600 — ADAC — road assistance vehicle
- 1809 VW-Variant 1600 — Red Cross ambulance
- 1810 Porsche 910
- 1811 NSU Ro 80
- 1812 BMW 1600 GT
- 1813 Mercedes C 111
- 1814 BMW 3000
- 1815 Porsche 907
- 1816 Matra M 530
- 1817 Mercedes 250
- 1818 Chevrolet Corvette
- 1819 BMW 2002 ti
- 1820 BMW 2500
- 1821 Audi 100 LS
- 1822 Ford Capri 2300
- 1823 VW-Variant 1600 — Police
- 1824 Caravan
- 1825 VW 411
- 1826 VW-Porsche 914
- 1828 Mercedes 250 — Police
- 1829 Mercedes 250 — Taxi
- 1830 Unimog platform
- 1831 Unimog platform with accessories, 6 parts
- 1834 Audi 100 coupé
- 1835 Opel Manta
- 1837 VW K 70
- 1838 Model Rally 1600 GT
- 1839 Mercedes 350 SL





**Märklin Metal  
Construction Sets  
with real  
bolt assembly**

**Märklin Metal  
Construction Sets-  
Prepare for the  
future while playing**

*The technology of the future will determine the quality of life to such an extent that it is as well for the young to prepare themselves for it early.*

*Märklin metal construction sets provide a good way of learning about technical things while playing. Their recognised advantages reside on the one hand, in the educationally well thought-out*

*system of five basic sets, each intended for a particular age group and, on the other hand, in having the right parts accurately reproducing those used in practice and assembled with real bolts, again as in practice.*

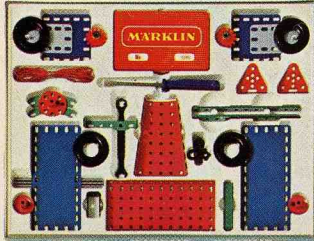
*This grading by age and technical realism are very important factors. They mean that a child as young as five, while playing, becomes aware of the very simple relationships and can continue and increase his knowledge until he has a clear conception of the laws of mechanics and (from set 1013 on) of electricity, and this is always with due regard to his age, and as his set is being built-up with supplementary sets.*

*A Märklin set not only arouses enthusiasm because of its unlimited possibilities and realistic components, but it is of real assistance in providing practical knowledge.*

## Märklin metal construction sets with real bolt assembly

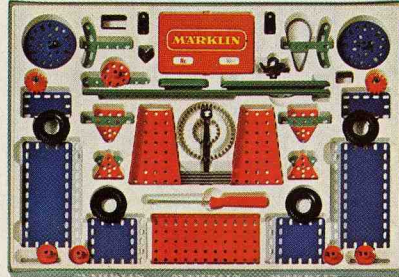
### 1010

**1010 Basic Set** for children from 5 year upwards · Comprising 176 construction parts · Size  $16'' \times 12'' \times 1\frac{1}{4}''$  · Weight 2 lbs. 5 oz. · The instruction book even with this smallest set, shows more than 90 models which can be built, including small trucks, windmills, cranes, etc. · In the process, it teaches what pulley blocks, gear ratios and couplings are · Can be made up to Basic Set 1011 by adding Supplementary Set 1030



### 1011

**1011 Basic Set** for children from 6 years upwards · Comprising 242 construction parts · Size  $20\frac{1}{4}'' \times 13\frac{3}{4}'' \times 1\frac{1}{4}''$  · Weight 3 lbs. 14 oz. · All sorts of mechanical models can be built with this set, the range extending from scooter to logging truck, from weighing-machine to cable car, from excavator to mobile crane, with everything true to the originals and fully working · Can be built up to Basic Set 1012 by adding Supplementary Set 1031



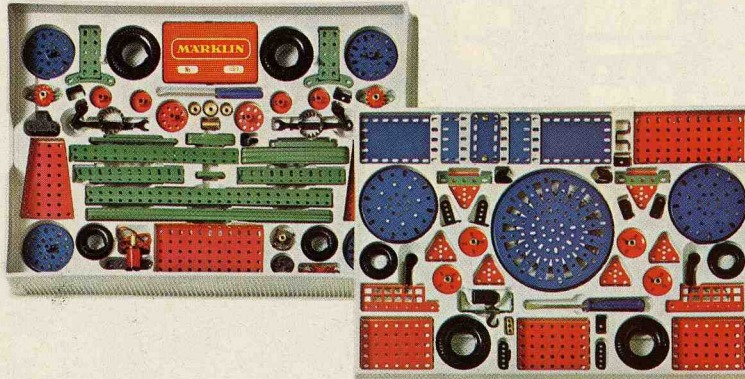
### 1012

**1012 Basic Set** for children from 7 years upwards · Comprising 396 construction parts · Size  $20\frac{1}{4}'' \times 13\frac{3}{4}'' \times 1\frac{1}{2}''$  · Weight 6 lbs. 13 oz. · Set 1012 enables still more detailed models to be built, such as diesel locomotives, large trucks, tower cranes, windmills, drilling rigs, etc. · A good appreciation of the laws of mechanics is achieved · Can be built up to Basic Set 1013 by adding Supplementary Set 1032



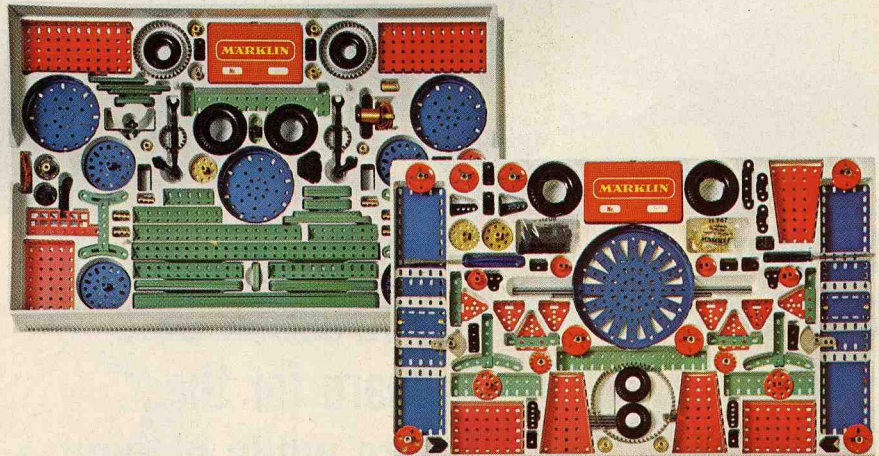
### 1013

**1013 Basic Set** for children from 10 years upwards · Comprising 703 construction parts · Size  $20\frac{3}{4}'' \times 14\frac{1}{4}'' \times 2\frac{5}{8}''$  · Weight 11 lbs. 11 oz. · From this set onwards, electrical components are included, such as commutator, solenoid, cable, etc. · A "Short Course in Electricity" gives an introduction to the principles of electricity and electromagnetism and many models enable this knowledge to be applied · Can be built up to Basic Set 1014 by adding Supplementary Set 1033



### 1014

**1014 Basic Set** for children from 10 years upwards · Comprising 1006 construction parts · Size  $25\frac{1}{4}'' \times 16\frac{5}{8}'' \times 2\frac{5}{8}''$  · Weight 16 lbs. 4 oz. · The contents of this set are for enthusiasts, young and old alike · The capabilities at this stage include impressive models built up out of hundreds of separate parts · It is also possible to make mechanical and physical models based on strictly scientific principles · Can be built up one stage further by adding Supplementary Set 1034



**Märklin Metal Construction Sets are high quality proprietary articles.**

Any basic set can be built up to the next larger one by adding a supplementary set, whose contents added to the existing basic set make up the new larger basic set. If e.g. you have Basic Set 1010 and would like to bring it up to the Basic Set 1011, then you would require Supplementary Set 1030.

Apart from the supplementary sets mentioned above, any Märklin metal construction set can be extended by individual parts if your set does not have enough parts for a particular model you wish to make, or by special parts which are not included in your set. A special list of these parts, as well as the parts themselves, can be obtained from any toy shop which stocks Märklin products.

In brief:  
Supplementary Set 1030  
converts Basic Set 1010 into Set 1011

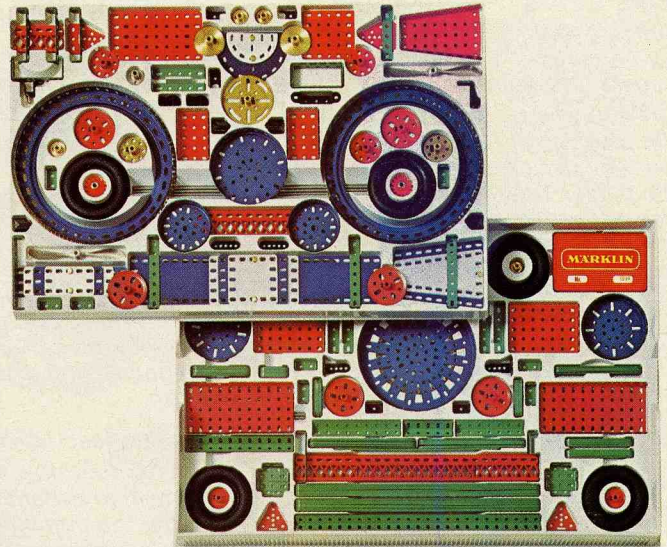
Supplementary Set 1032  
converts Basic Set 1012 into Set 1013

Supplementary Set 1031  
converts Basic Set 1011 into Set 1012

Supplementary Set 1033  
converts Basic Set 1013 into Set 1014

## 1034

1034 Supplementary Set extends Basic Set 1014 a stage further



## Number of construction parts in the Märklin metal construction sets

Basic Set No.	Number of Parts	Supplementary Set No.	Number of Parts
1010	176	1030	67
1011	242	1031	164
1012	396	1032	308
1013	703	1033	307
1014	1006	1034	1100

## Individual Parts Sets

## NEW

**←1040**

**Märklin**

1040 Individual Parts Set · Comprising flat strips, bolts and nuts

**1041**

1041 Individual Parts Set · Comprising connecting pieces such as bearing yoke, double angle, angle piece, guide fork and flat piece

**←1042**

**Märklin**

1042 Individual Parts Set · Comprising flat strips, connecting and bearing bracket

**1043**

1043 Individual Parts Set · Comprising angle supports, bolts and nuts

**←1044**

**Märklin**

1044 Individual Parts Set · Comprising shafts of various lengths, setting rings and hand crank

**←1045**

**Märklin**

1045 Individual Parts Set · Comprising cord pulleys, rubber tires, shafts and setting rings

**1046**

1046 Individual Parts Set · Comprising curved strips, nuts and bolts

**←1047**

**Märklin**

1047 Individual Parts Set · Comprising bearing plates, nuts and bolts

**1048**

1048 Individual Parts Set · Comprising bearing brackets, supporting brackets, branch connections and connecting pieces

**←1049**

**Märklin**

1049 Individual Parts Set · Comprising long and short bolts with nuts

## Electric Motors for use with Construction Sets

It is a particular pleasure to any youngster to construct models in accordance with the Instruction Book or his own ideas and to see them work "automatically".

The two electric motors illustrated can be used to power models in this way, including those assembled from the smallest Basic Set.

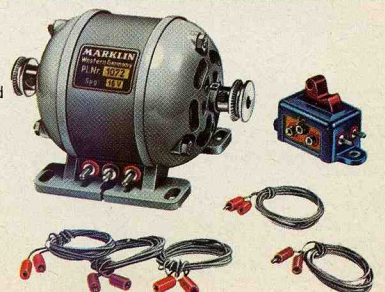
### 1071

1071 Electric Motor · Reversible, to run in either direction · No-load speed about 1500 rpm · Runs on 16 volts, so it can be connected to any Märklin H0 gauge railroad transformer · Accessories: 2 leads · 2 1/2" high · 2" wide · 2" long · Weight 7 oz.



### 1072

1072 "Elex" Electric Motor · 16 volt · With lead and reversing switch · Two cord pulleys running in opposite directions at different speeds which are variable by the transformer · No-load speeds 3000 and 1100 rpm · Extremely powerful motor suitable for driving the largest models made up from the construction sets, as well as working models of all types · 3 connecting plugs · 2 1/2" high · 3 3/4" long · 2 1/2" wide · Distance between pulley grooves 3 1/2" · Weight 23 1/2 oz.



# Märklin plus

A perfect construction kit system for play and hobby

# NEW

*Märklin plus is a new construction kit system for play and hobby.*

*High-grade plastics are used for the building blocks, finished with Märklin precision.*

*The building blocks can easily and quickly be plugged together and separated again, by means of press-button type fastenings.*

*Märklin plus caters for all age groups. Without any design modification, Märklin plus is suitable for toddlers, children, teenagers and grown-ups, and of course also for the demanding do-it-yourself enthusiast.*

*And here is something else:*

*Children want to play*

*They get pleasure in playing with toys. The more different ways a toy can be played with, the greater and more lasting is the pleasure.*

*Children need to play*

*Playing is their first and most important source of experience. Nowadays it is necessary to come to know about the world of technology as early and thoroughly as possible.*

*Children need suitable technical toys*

*No limits must be imposed on the inventiveness of children. They need material which promotes both imagination games and also logical technical design.*

*Children need Märklin plus*

*With Märklin plus we make it possible to grasp, to experience, and finally to master, the principles of engineering, while playing.*

## Electronic modules in preparation



# A



**9000**

**9000 Basic set** · Comprising basic and wall building blocks of various sizes and colours, and also door, windows and a base plate for building simple structures and small houses with flat roofs

**9001**

**9001 Basic set** · Comprising basic and wall building blocks of various sizes and colours, and also door, windows and a base plate for building small houses with flat and sloping roofs

**9002**

**9002 Basic set** · Comprising basic and wall building blocks of various sizes and colours, and also door, windows, sets of wheels and base plates for building houses and vehicles

**9003**

**9003 Basic set** · Comprising basic, wall and corner building blocks of various sizes and colours, and also doors, windows, sets of wheels and base plates for constructing buildings of all kinds and vehicles

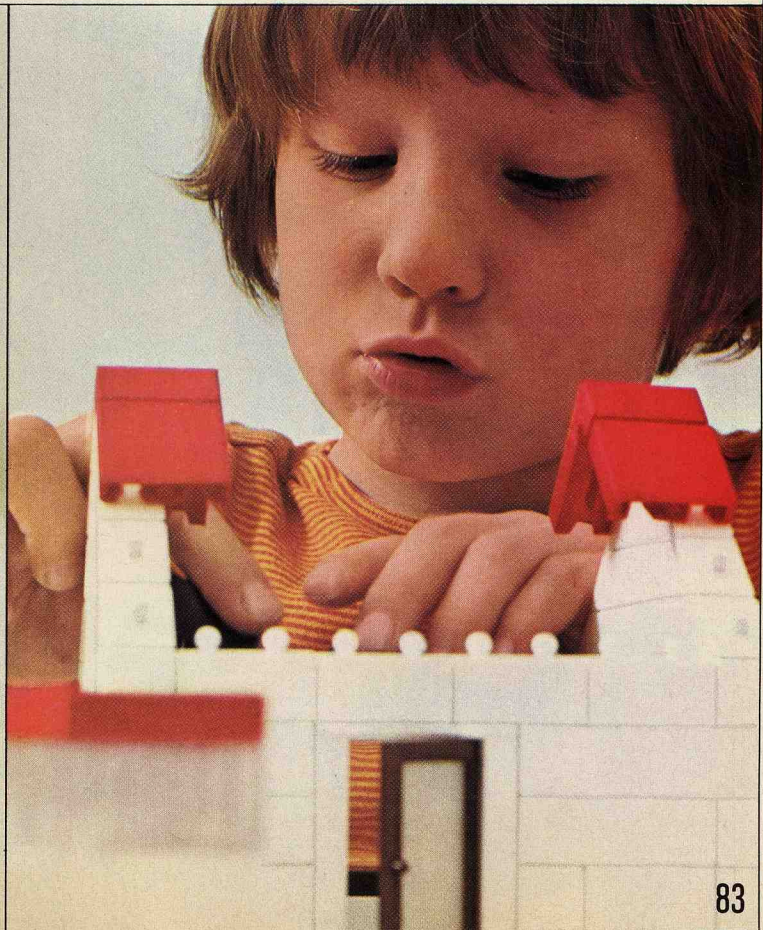
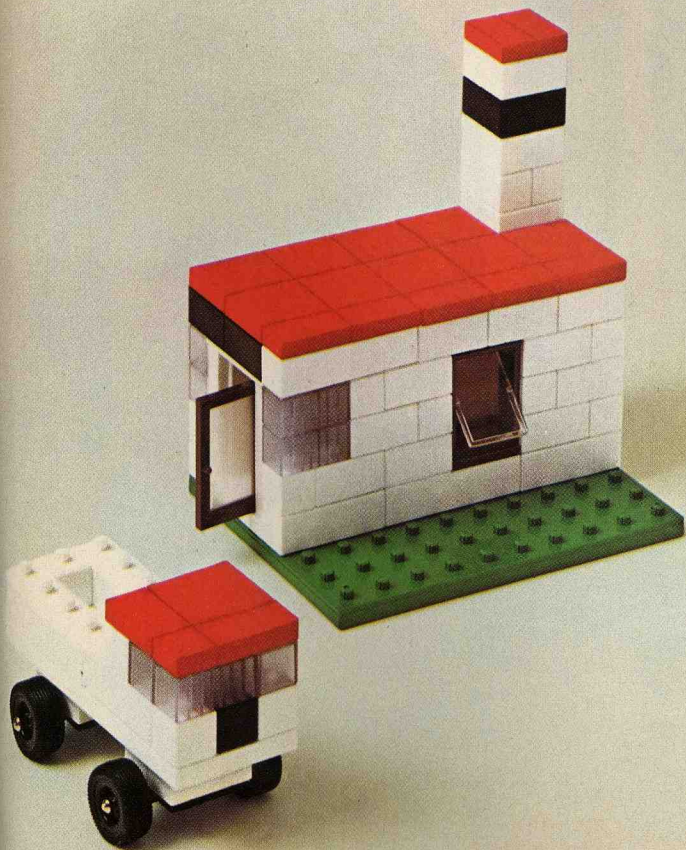
**9004**

**9004 Basic set** · Comprising a wide selection of basic, wall and corner building blocks of various sizes and colours, and also doors, gateway, windows, sets of wheels and base plates for constructing buildings, garages and vehicles

# AB

**9500**

**9500 Basic set** · Comprising a rich assortment of a large variety of building and bearing blocks, and also bars, shafts, wheels, door and windows for constructing buildings and mechanical models · Instruction book is included



# B



### 9100

**9100 Basic set** · Comprising basic building blocks, narrow blocks and bearing blocks, and also wheels, for constructing simple mechanical models such as cranes, machines, windmills · Instruction book is included

### 9101

**9101 Basic set** · Comprising basic building blocks, narrow blocks and bearing blocks, and also wheels and gear wheels, for constructing mechanical models with gear drives · Instruction book is included

### 9102

**9102 Basic set** · Comprising basic building blocks, narrow blocks and bearing blocks, struts, wheels and gear wheels, for constructing a wide variety of mechanical models and vehicles of higher complexity · Instruction book is included

### 9103

**9103 Basic set** · Comprising a large number of components of all sorts, including a drive motor, for constructing engineering models with scientific exactitude · Instruction book is included

# BE

Extension kits

### 9150

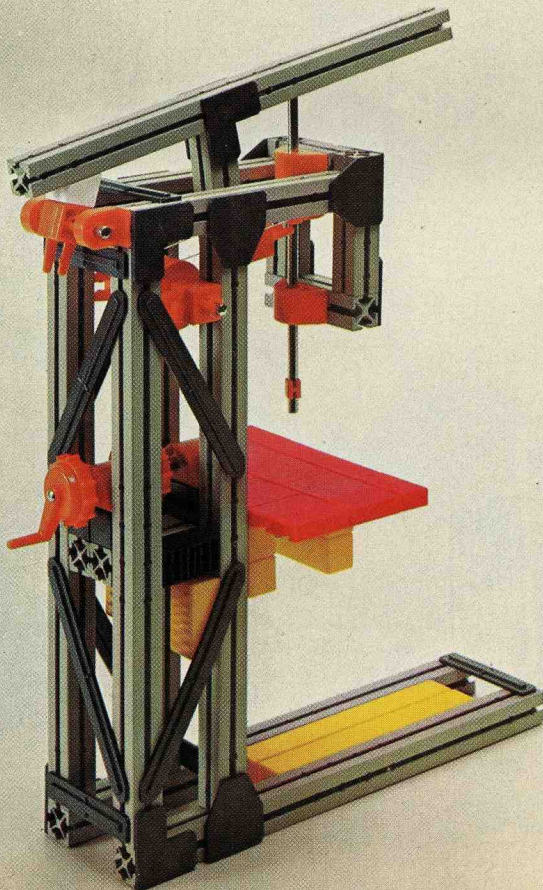
**9150 Extension kit with instruction book** · Converts set 9100 into 9101

### 9151

**9151 Extension kit with instruction book** · Converts set 9101 into 9102

### 9152

**9152 Extension kit with instruction book** · Converts set 9102 into 9103



# C



**9200**  
Oldtimer kit

**9201**  
Racing car kit

**9202**  
Trailer kit

**9220**  
Bus stop kit

**9221**  
Tractor kit

**9222**  
Commercial vehicle kit

**9223**  
Semitrailer kit

**9240**  
House kit

**9241**  
Land Rover kit

**9242**  
Road tanker kit

**9243**  
Truck kit

**9287**  
Tipper kit

**9288** Articulated  
tractor and trailer kit

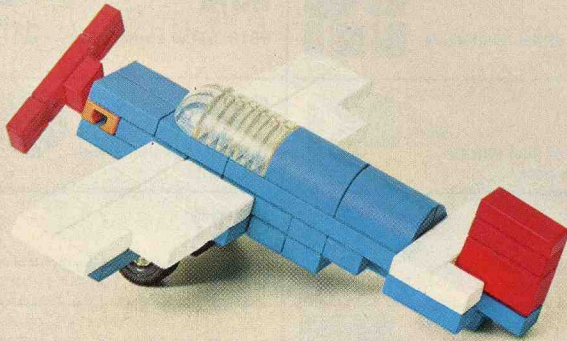
**9289**  
Road tanker train kit

**9290**  
Aircraft kit

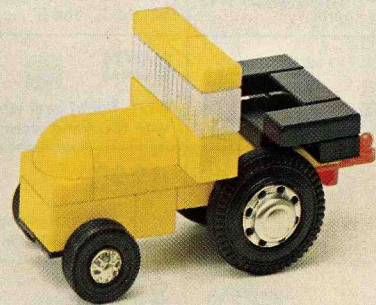
**9298**  
Garage kit

**9299**  
Gas station kit

Aircraft kit



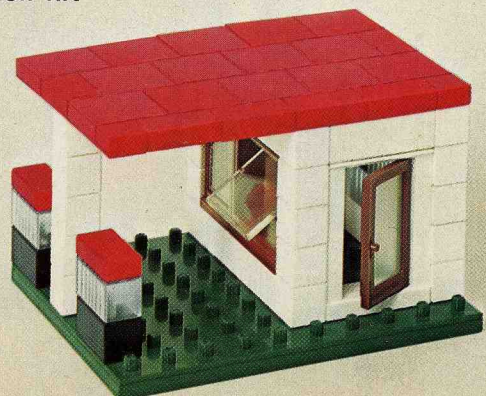
Tractor kit



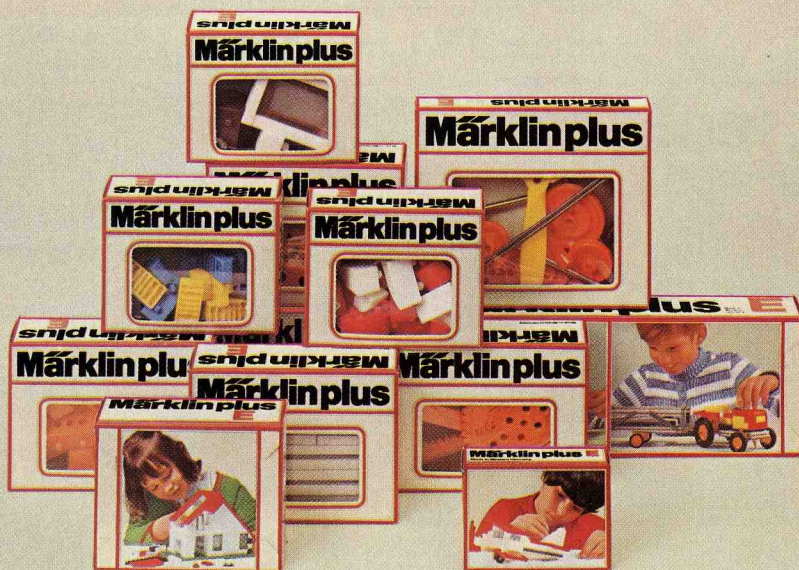
Land Rover kit



Gas station kit

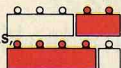


# E



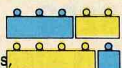
### 9300

9300 Set of building blocks, white and red



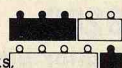
### 9301

9301 Set of building blocks, blue and yellow



### 9302

9302 Set of building blocks, black and transparent



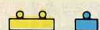
### 9303

9303 Set of half-size building blocks, white and red



### 9304

9304 Set of half-size building blocks, blue and yellow



### 9305

9305 Set of half-size building blocks, black and transparent



### 9306

9306 Set of building blocks for sloping roof, white and yellow



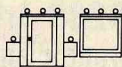
### 9307

9307 Set of building blocks for flat sloping roof, white



### 9308

9308 Set of door and window building blocks



### 9309

9309 Set of round corner building blocks, white and red



### 9310

9310 Set of round corner building blocks, blue and transparent



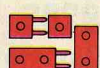
### 9311

9311 Set of wall building blocks, red



### 9312

9312 Set of wall building blocks for structures on roofs



### 9313

9313 Set of coping blocks



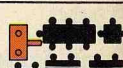
### 9314

9314 Set of various bearing blocks



### 9315

9315 Set of short narrow building blocks



### 9316

9316 Set of narrow building blocks 1" and 4" long approx.



### 9317

9317 Set of narrow building blocks, 2" and 8" approx.



### 9318

9318 Set of flat connectors



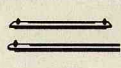
### 9319

9319 Set of struts, short



### 9320

9320 Set of struts, long



### 9321

9321 Set of gear wheels with racks and worm gear



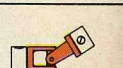
### 9322

9322 Set of gear wheels with worm gear



### 9323

9323 Set of shafts with ball joint



### 9324

9324 Set of cord pulleys with propeller



### 9325

9325 Set comprising cord drum with crank and pawl



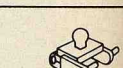
### 9326

9326 Set of wheels with tires



### 9327

9327 Set of chain links for conveyor belt



### 9328

9328 Set of chain links for drive chain



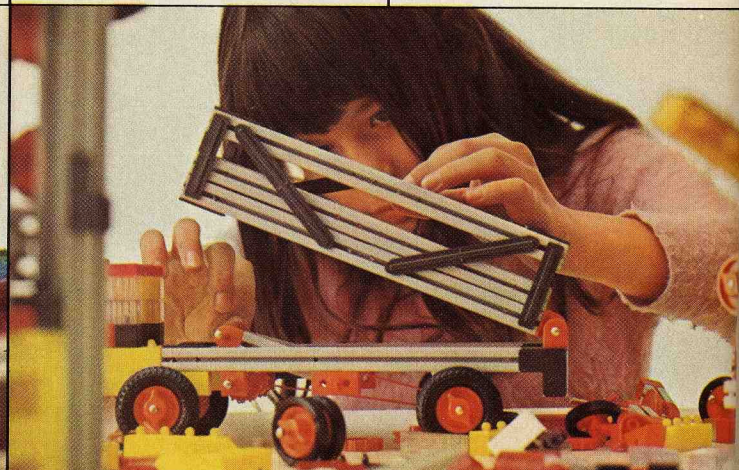
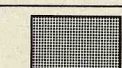
### 9329

9329 Set of chain links for caterpillar track



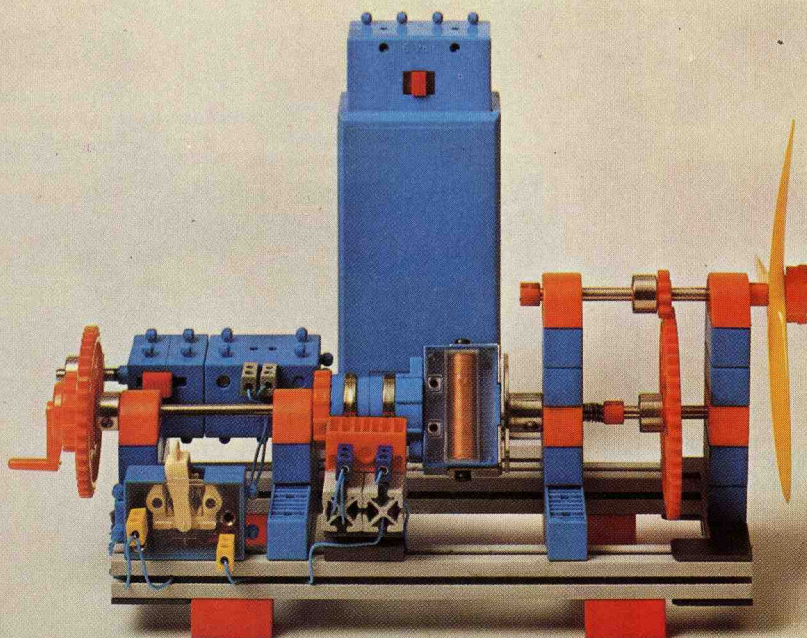
### 9399

9399 Base plate · Dimensions 14<sup>3</sup>/<sub>4</sub>" × 15<sup>3</sup>/<sub>4</sub>" approx.





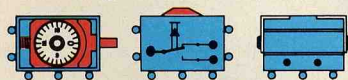
# F



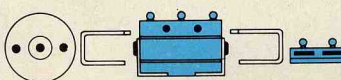
**9400**  
Motor with gearbox



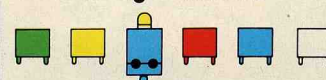
**9401**  
Counter, switch  
and magnet



**9402**  
Magnet with keeper



**9403**  
Signal lamp with  
various light covers



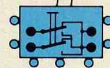
**9404**  
Battery box



**9405**  
Single-pole change-over  
switch



**9406**  
Reversing switch



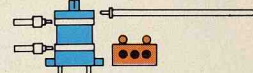
**9407**  
Mechanical counter



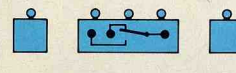
**9408**  
Cam disc



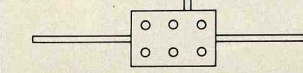
**9409**  
Slip-ring



**9410**  
Solenoid switch



**9411**  
Differential

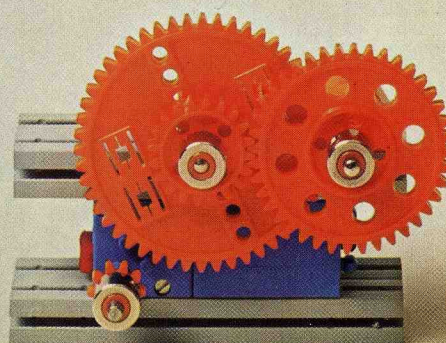
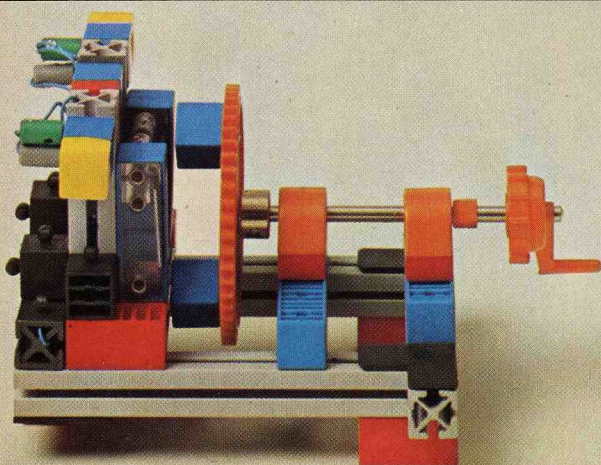


**9430**  
**9430 Electromechanical functional kit** · Comprising mechanical and electrical components such as building blocks, shafts, gear wheels, switches, signal lamps, magnets, etc., for constructing electro-mechanical models · Instruction book is included

**9490**  
**9490 Set of plugs** · Comprising 24 plugs with side sockets, in the colours yellow, green, red and grey



**6751 = 220 volt**  
**6751 Adjustable transformer for 220 V a. c.** · Circuit I adjustable between 0 and 6 V d. c. · Circuit II constant d. c. voltage of 4 V · Each circuit can be loaded up to 1 A · Plastic case · Weight 3<sup>3</sup>/<sub>4</sub> lb approx. · Dimensions 5<sup>1</sup>/<sub>2</sub>" × 5" × 3" approx.



# G



### 9090

9090 Large building block set · Comprising basic and large building blocks of various sizes and colours

### 9091

9091 Large building block set · Comprising 1 complete truck chassis together with basic and large building blocks of various sizes and colours

### 9092

9092 Large building block set · Comprising 2 complete truck chassis together with basic and large building blocks of various sizes and colours



# Märklin

# The Märklin Leisure Range Boundless entertainment

## Märklin I

the large model railroad  
(45 mm gauge  
= 1<sup>3</sup>/<sub>4</sub>" approx.)

## Märklin plus

a perfect construction set system  
as entertainment and hobby

## Märklin RAK

real automobile knock  
Miniature automobiles  
1:43

## Märklin Sprint

the high-speed  
car racing track



## Märklin HO

the model railway with the clear  
system  
(16.5 mm gauge = 5/<sub>8</sub>" approx.)

## Märklin

metal construction sets  
with real nuts and bolts

## Märklin mini-club

the smallest electric railroad in  
the world  
(6.5 mm gauge = 1/<sub>4</sub>" approx.)



**Märklin plus**